Part 4
Commissioning and Test Run

What is in this part? This part contains the following chapters:

Chapter	See page
1–Pre-Test Run Checks	4–3
2–Field settings	4–9
3–Test Run and Operation Data	4–27

1 Pre-Test Run Checks

1.1 What Is in This Chapter?

Introduction

This chapter contains the following information:

- Checks before test run
- Test run checks
- Setting the address for the receiver of the infrared remote control
- Setting the address for the infrared remote control.

Overview

This chapter contains the following topics:

Topic	See page
1.2–Test Run Checks	4–4
1.3–Setting the Infrared Remote Control	4–5

1.2 Test Run Checks

Checks before test run

Before carrying out a test run, proceed as follows:

Step	Action
1	Make sure the voltage at the primary side of the safety breaker is: ■ 230 V ± 10% for 1-phase units ■ 400V ± 10% for 3-phase units.
2	Fully open the liquid and the gas stop valve.

Test run checks

To carry out a test run, check the following:

- Check that the temperature setting of the remote control is at the lowest level or test mode.
- Switch ON the indoor units one by one to check whether they operate correctly. Afterwards, switch ON all units to check whether they all operate simultaneously.
- Go through the following checklist:

Checkpoints	Cautions or warnings
Are all units securely installed?	■ Dangerous for turning over during storm. ■ Possible damage to pipe connections.
Is the earth wire installed according to the applicable local standard?	Dangerous if electric leakage occurs.
Are all air inlets and outlets of the indoor and outdoor units unobstructed?	■ Poor cooling. ■ Poor heating.
Does the drain flow out smoothly?	Water leakage.
Is piping adequately heat-insulated?	Water leakage.
Have the connections been checked for gas leakage?	■ Poor cooling. ■ Poor heating. ■ Stop.
Is the supply voltage conform to the specifications on the name plate?	Incorrect operation.
Are the cable sizes as specified?	Damage of cables.
Are the remote control signals received by the unit?	No operation.

1.3 Setting the Infrared Remote Control

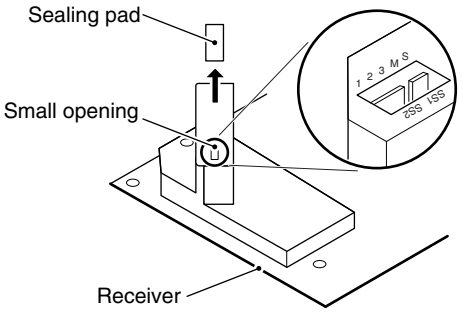
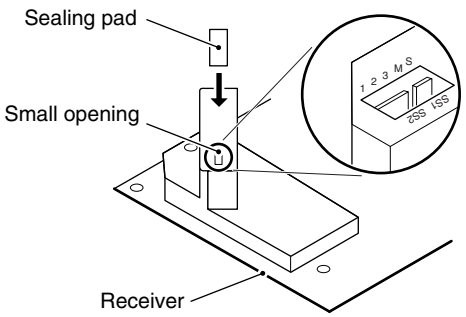
Introduction

To set the infrared remote control, you have to set the address for:

- The receiver of the infrared remote control
- The infrared remote control.

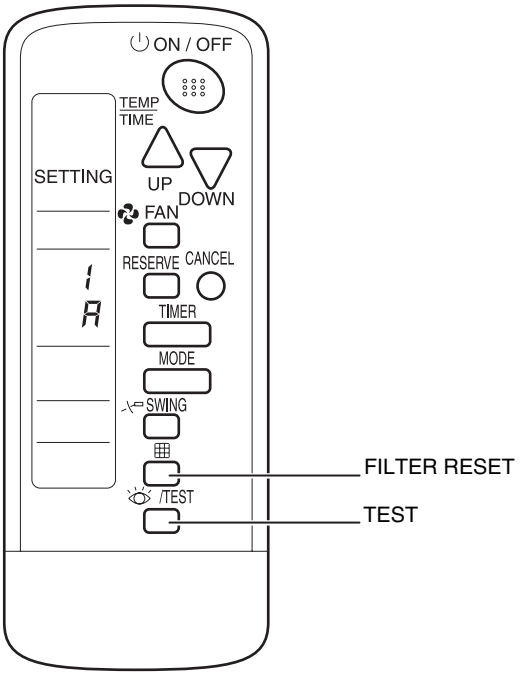
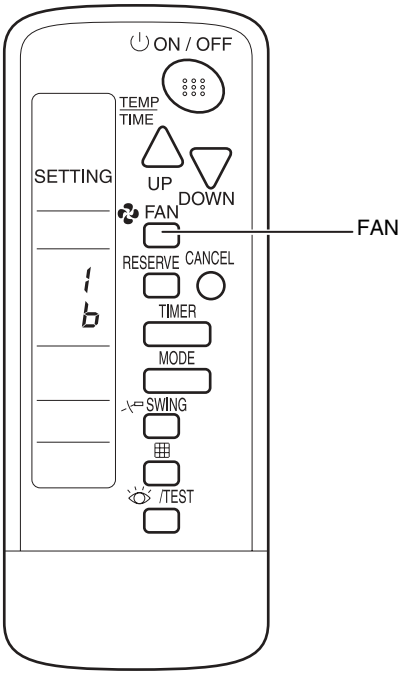
Setting the address for the receiver

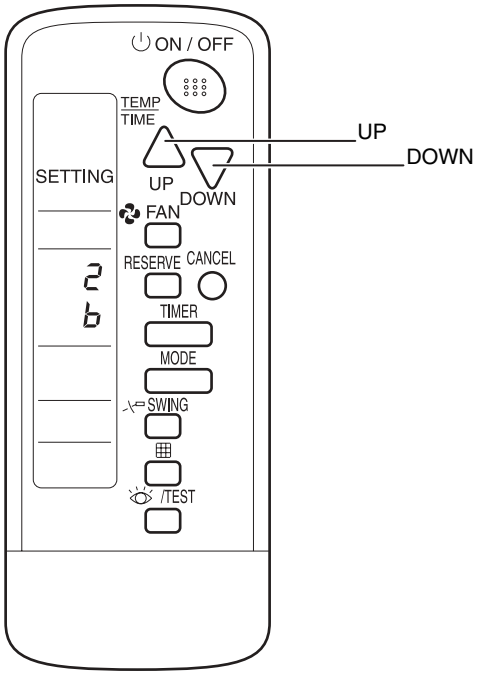
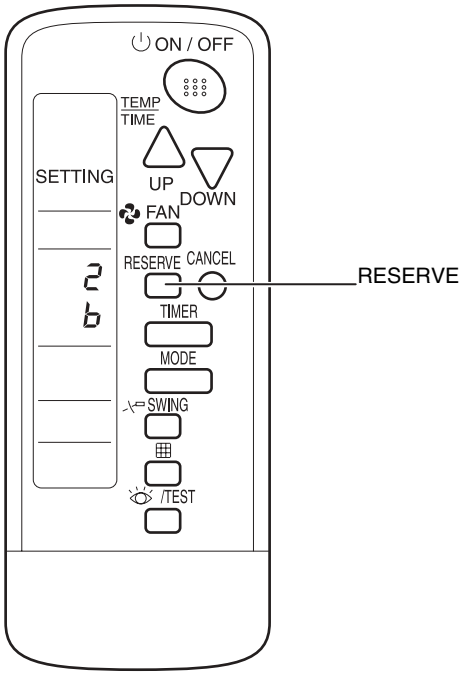
The address for the receiver of the infrared remote control is factory set to 1. To change this setting, proceed as follows:

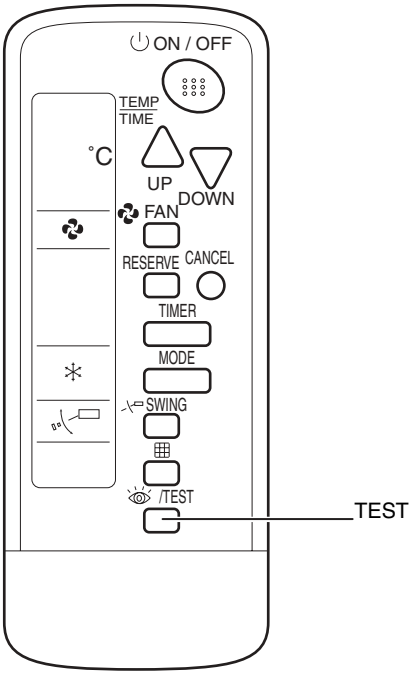
Step	Action
1	Turn OFF the power.
2	Remove the sealing pad on the top of the receiver. 
3	Set the wireless address switch (SS2) according to the table below. You can find the wireless address switch attached on the PCB of the receiver and it is visible through the small opening on the back of the receiver. **Unit No.** / No. 1 / No. 2 / No. 3 **SS2** /
4	If you use a wired and an infrared remote control for one indoor unit, proceed as follows: 1. Set the wired remote control to MAIN: On the remote control. 2. Set the infrared remote control to SUB: On the receiver with the MAIN/SUB switch (SS1). **MAIN/SUB** / MAIN / SUB **SS1** /
5	Seal off the opening of the address switch and the MAIN/SUB switch with the attached sealing pad. 
6	Make sure to also change the address on the remote control.

Setting the address for the infrared remote control

The address for the infrared remote control is factory set to 1. To change this setting, proceed as follows:

Step	Action
1	Hold down the FILTER RESET button and the TEST button for at least 4 s, to go to field set mode. The display indicates the field set mode. 
2	Press the FAN button to select a multiple setting (A/b), see ‘Multiple settings A/b’ further in this section. Each time you press the button, the display switches between “A” and “b”. 

Step	Action
3	Press the UP and DOWN buttons to set the address. Set the same address as the receiver (1, 2 or 3). The receiver does not work with addresses 4, 5 and 6. 
4	Press the RESERVE button to confirm the setting. 

Step	Action
5	Press the TEST button to quit the field set mode and return to the normal display. 

Multiple settings A/b

When an outside control (central remote control...) controls an indoor unit, sometimes the indoor unit does not respond to ON/OFF and temperature settings commands from this remote control.

Remote control		Indoor unit	
Setting	**Remote control display**	**Control of other air conditioners and units**	**No other control**
A: Standard	All items are displayed.	Commands other than ON/OFF and temperature setting accepted. (1 long beep or 3 short beeps emitted)	
b: Multi System	Only one item is displayed. This item is only shown for a few seconds.	All commands accepted (2 short beeps)	

2 Field settings

2.1 What Is in This Chapter?

Introduction

This chapter contains the following information:

- How to change the field settings
- The field settings
- The factory settings.

Overview

This chapter contains the following topics:

Topic	See page
2.2–How to Change the Field Settings with the Wired Remote Control	4–10
2.3–How to Change the Field Settings with the Infrared Remote Control	4–12
2.4–Overview of the Field Settings of the Indoor Units	4–13
2.5–Overview of the Factory Settings of the Indoor Units	4–14
2.6–Setting the Ceiling Height	4–15
2.7–Setting the Filter Counter	4–16
2.8–MAIN/SUB Setting when Using Two Remote Controls	4–17
2.9–Setting the Centralized Group No.	4–18
2.10–The Field Setting Levels	4–19
2.11–Overview of the Field Settings: R(Y)P71-250B	4–22
2.12–Jumpers	4–23
2.13–DIP switch DS1	4–24
2.14–DIP switch DS2	4–25

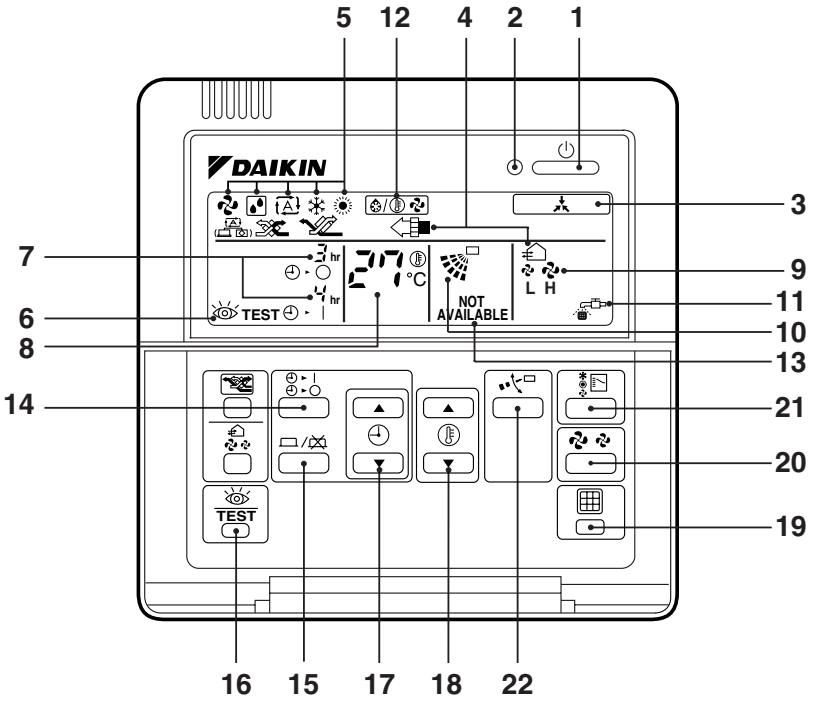
2.2 How to Change the Field Settings with the Wired Remote Control

Installation conditions

The field settings have to be changed with the remote control according to the installation conditions.

Wired remote control

The illustration below shows the wired remote control.



Components

The table below contains the components of the wired remote control.

No.	Component		No.	Component	
1	ON/OFF button		12	Display	Defrost
2	Operation lamp (red)		13		Non-functioning
3	Display	Under centralized control	14	Timer mode start/stop button	
4		Ventilation/air cleaning	15	Timer ON/OFF button	
5		Operating mode	16	Inspection/test operation button	
6		Inspection/test operation	17	Programming time button	
7		Programmed time	18	Temperature setting button	
8		Set temperature	19	Filter counter reset button	
9		Fan speed	20	Fan speed control button	
10		Air flow flap	21	Operating mode selector button	
11		Time to clean air filter	22	Air flow direction adjust button	

Setting

To set the field settings, you have to change:

- “Mode No.”
- “First code No.”
- “Second code No.”.

To change the field settings, proceed as follows:

Step	Action
1	Hold down the INSPECTION/TEST button for at least 4 s during normal mode to enter the “Field setting mode”.
2	Press the TEMPERATURE CONTROL button until the desired “Mode No.” appears.
3	■ If the indoor unit is under group control, all settings for all the indoor units are set at the same time. Use the codes 10 to 15 to apply this group control and proceed to the next step. ■ If you want to set the indoor units of one group individually or if you want to read out the last settings, use the codes 20 to 25 which are displayed in brackets. Press the TIMER SELECTION button to select the “Indoor unit No.” for which you want to adjust the field settings.
4	Press the upper part of the PROGRAMMING TIME button to select the “First code No.”.
5	Press the lower part of the PROGRAMMING TIME button to select the “Second code No”.
6	Press the CONFIRMATION button to confirm the changed setting.
7	Press the INSPECTION/TEST button to return to “Normal mode”.

2.3 How to Change the Field Settings with the Infrared Remote Control

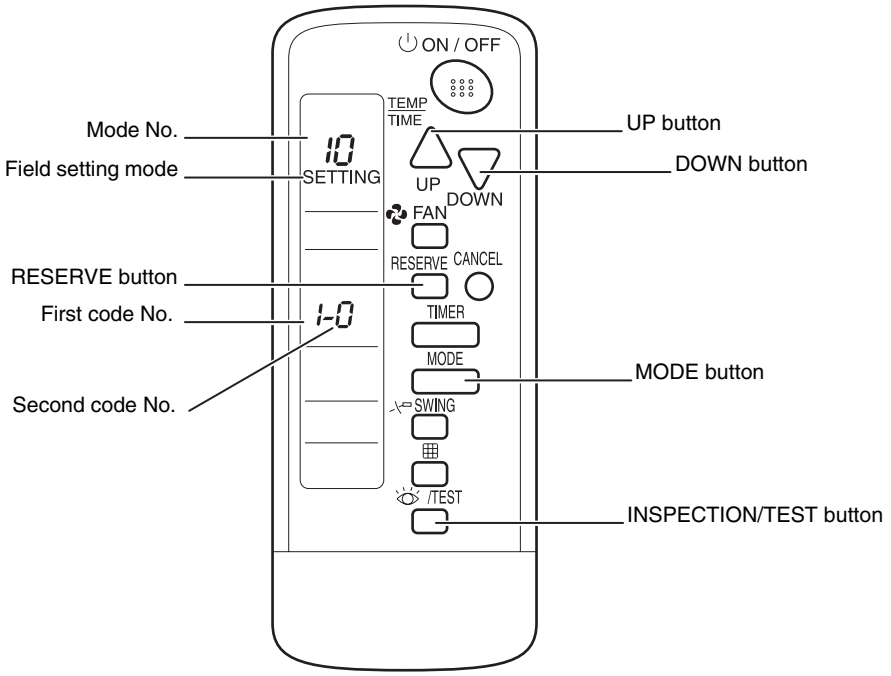
Optional accessories

If optional accessories are mounted on the indoor unit, the indoor unit setting may have to be changed.

Refer to OH98-2 or the installation manual (optional handbook) for each optional accessory.

Infrared remote control

The illustration below shows the infrared remote control.



Setting

To set the field settings, you have to change:

- “Mode No.”
- “First code No.”
- “Second code No.”.

To change the field settings, proceed as follows:

Step	Action
1	Hold down the INSPECTION/TEST button for at least 4 s during normal mode to enter the “Field setting mode”.
2	Press the MODE button to select the desired “Mode No.”.
3	Press the UP button to select the “First code No.”.
4	Press the DOWN button to select the “Second code No.”
5	Press the RESERVE button to set the present settings.
6	Press the INSPECTION/TEST button to return to the “Normal mode”.

2.4 Overview of the Field Settings of the Indoor Units

Field settings The table below contains the possible field settings of all indoor units.

Mode No.	First code No.	Description of the setting	Second code No.			
			01	02	03	04
10 or 20	0	Filter counter	Long	Short	—	—
	1	Filter type	Long	Super long	External	Oil mist
	2	Remote thermistor of the remote control	TH1 = rem. control	TH1 = air return	—	—
	3	Filter display	Filter indic.	No filter indic.	—	—
	9	Centralized control	Yes	No	—	—
11 or 21	0	Number indoor to 1 outdoor	Pair	Twin	Triple	Double twin
	1	Unified or indiv. set twin	Group setting	Indiv. setting	—	—
	2	Fan OFF at thermostat OFF	LL-speed	OFF	—	—
12 or 22	0	KRP1B51/52/53 X1/X2 output	Thermostat ON	Option	Operation	Malfunction
	3	Fan speed heating thermostat OFF	LL-speed	Set speed	—	—
	5	Automatic restart	Disabled	Enabled	—	—
13 or 23	0	Ceiling height setting	Normal	High	Extra high	—
	1	4-, 3- or 2-way air outlet	4-way	3-way	2-way	—
	3	Horizontal discharge grill	Enabled	Disabled	—	—
	4	Air flow direction adjust range setting	Draft prevention	Standard	Ceil soil prevention	—
	5	Field fan speed changeover air outlet	Standard	Option 1	Option 2	—
	6	External static pressure	Normal	High	Low	—
14 or 24	0	Additional timer to guard timer	0 s	5 s	10 s	15 s
15 or 25	1	Humidifier during thermostat OFF	No	Yes	—	—
	3	Drain pump during humidifying (heating)	No	Yes	—	—
	5	Ventilation unit indiv. setting	No	Yes	—	—
	6	Air-cleaner unit indiv. setting	No	Yes	—	—

2.5 Overview of the Factory Settings of the Indoor Units

Factory settings The table below contains the factory settings of all indoor units

Mode No.	First code No.	Second code No.						
		FHYCP	FHYKP	FHYBP	FAYP	FDYP	FUYP	FHYP
10 or 20	0	01	01	01	01	01	01	01
	1	01	—	—	—	02	01	—
	2	02	—	—	—	02	02	—
	3	01	01	01	01	01	01	01
	9	—	—	—	—	01	—	—
11 or 21	0	01	01	01	01	01	01	01
	1	01	01	01	01	01	01	01
	2	01	01	01	01	01	01	01
12 or 22	0	01	01	01	01	01	01	01
	3	01	—	01	—	—	—	—
	5	02	02	02	02	02	02	02
13 or 23	0	01	—	—	01	—	01	01
	1	01	—	—	—	—	—	—
	3	—	01	—	—	—	—	—
	4	02	02	—	—	—	—	—
	5	01	—	—	01	—	01	01
	6	—	01	01	—	—	—	—
14 or 24	0	01	01	01	—	01	01	01
15 or 25	1	—	—	—	—	01	—	—
	3	—	—	—	—	01	—	—
	5	01	01	01	01	—	01	01
	6	01	01	01	01	—	01	01

2.6 Setting the Ceiling Height

Incorrectly setting

If you set the remote control incorrectly, a connection mistake malfunction "UA" will appear on the remote control display.

See 'Malfunctioning Field Setting Switch (UA)' on page 3–62.

Mode No. 13 or 23
First code No. 0

Set the second code No., according to the tables below.

FHYP

Second code No.	Ceiling-suspended type
01	Height < 2.7 m
02	2.7 m < height < 3.5 m
03	Not used

FAYP

Second code No.	Wall-mounted type
01	Normal
02	High
03	Extra high

FHYCP and FUYP

Indoor unit	Second code No.	4-way outlet	3-way outlet	2-way outlet
FHYCP35-71	01	< 2.7 m	< 3.0 m	< 3.5 m
	02	< 3.0 m	< 3.3 m	< 3.8 m
	03	< 3.5 m	< 3.5 m	—
FHYCP100-125	01	< 3.2 m	< 3.6 m	< 4.2 m
	02	< 3.6 m	< 4.0 m	< 4.2 m
	03	< 4.2 m	< 4.2 m	—
FUYP	01	< 2.7 m	< 3.0 m	< 3.5 m
	02	< 3.0 m	< 3.5 m	< 3.8 m
	03	< 3.5 m	< 3.8 m	—

2.7 Setting the Filter Counter

Mode No. 10 or 20 First code No. 0

When the filter counter indication time is set to ON, set the second code No., according to the table below

Second code No.	Contamination	Filter specifications		
		Long life	Standard	Ultra long life
01	Light contamination	2 500 h	200 h	10 000 h
02	Heavy contamination	1 100 h	100 h	5 000 h

When there is a heavy contamination and a long life filter is installed, the setting hours for the units FHYCP and FHYP are 1 250 h.

Fan speed OFF when thermostat OFF

When the cool/heat thermostat is OFF, you can stop the indoor unit fan by switching the setting to “Fan OFF”. This setting is used as a countermeasure against odour, for example for barber shops and restaurants.

Mode No.	First code No.	Second code No.	Setting
11 or 21	2	01	—
		02	Fan OFF

Fan speed changeover when thermostat OFF

You can switch the fan speed to the set fan speed when the heating thermostat is OFF. This setting is called “Set Fan Speed”.

Mode No.	First code No.	Second code No.	Setting
12 or 22	3	01	LL fan speed
		02	Set fan speed

Air flow direction setting

Set the air flow direction of the indoor units as given in the table below. This setting is needed when the optional air outlet blocking pad has been installed. The “Second code No” is factory set to “01”.

Mode No	First code No	Second code No	Setting
13 or 23	1	01	F: four-direction air flow
		02	T: three-direction air flow
		03	W: two direction air flow

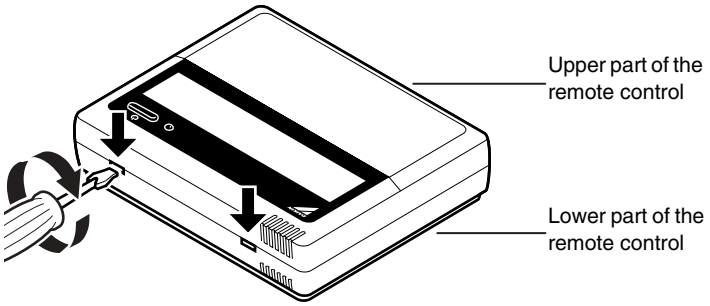
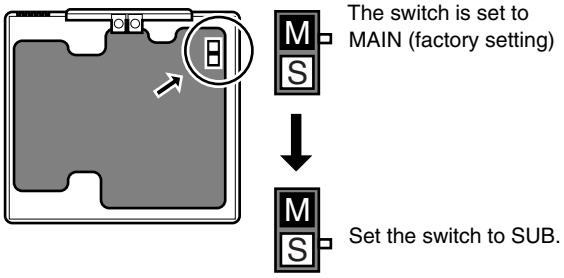
2.8 MAIN/SUB Setting when Using Two Remote Controls

Situation

The MAIN/SUB setting is necessary when one indoor unit is controlled by two remote controls. When you use two remote controls (control panel and separate remote control), set one to MAIN and the other to SUB. You can do this by setting the switch on the remote control's PCB.

Setting

The remote controls are factory set to MAIN, so you only have to change one remote control from MAIN to SUB. To change a remote control from MAIN to SUB, proceed as follows:

Step	Action
1	Insert a flathead screwdriver into the recess between the upper and lower part of the remote control, as shown in the illustration below. Gently pry off the upper part of the remote control, working from the two possible positions. 
2	Turn the MAIN/SUB changeover switch on the PCB to "S". 

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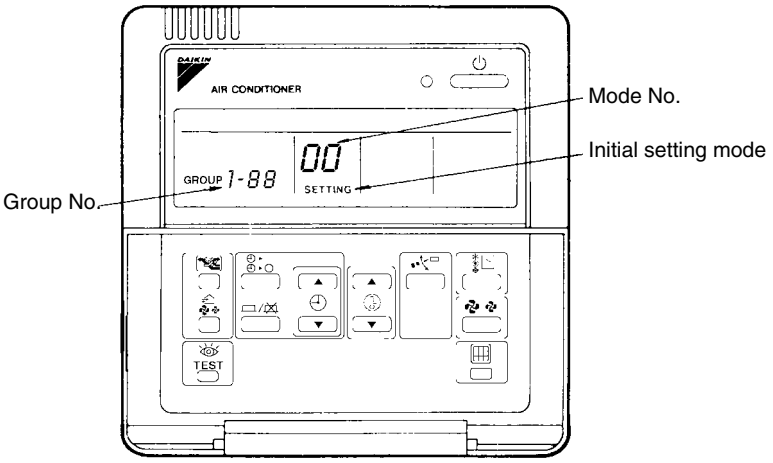
2.9 Setting the Centralized Group No.

When?

If you want to carry out centralized control with a central remote control and a unified ON/OFF control, you have to set the group No. for each group with the remote control.

Wired remote control

The illustration below shows the wired remote control.



Setting

To set the “Centralized group No.”, proceed as follows:

Step	Action
1	Switch ON the power supply of the central remote control, the unified ON/OFF control and the indoor unit(s).
2	Hold down the INSPECTION/TEST button for at least 4 s during normal mode to enter the “Field setting mode”.
3	Press the TEMPERATURE CONTROL button until “Mode No.” “00” appears.
4	Press the INSPECTION/TEST button to inspect the group No. display.
5	Set the “Group No.” for each group by pressing the PROGRAMMING TIME button. The “Group No.” rises in the order of 1—00, 1—01, ..., 1—15, 2—00, ..., 2—15, 3—00, etc. The unified ON/OFF control however displays only the range of group numbers selected by the switch for setting each address.
6	Press the CONFIRMATION button to enter the selected group No.
7	Press the INSPECTION/TEST button to return to normal mode.

Individually address setting

If the address must be set individually for each unit, set the “Mode No.” to “30”. For example, for power consumption counting.

2.10 The Field Setting Levels

Introduction

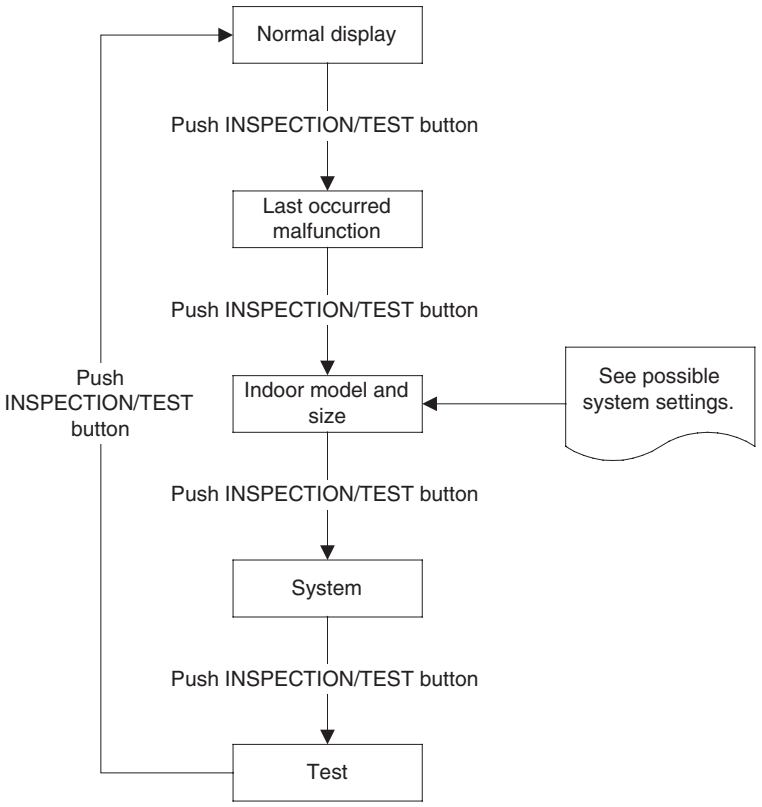
The three field setting levels are:

- Inspection level
- Monitoring level
- Maintenance mode settings.

The inspection level

The inspection level is the highest level of the three field setting levels. You can change the views in the inspection level by pressing the INSPECTION/TEST button.

The flow chart below explains the different windows of the inspection level.



Possible system settings

The table below contains the possible system settings, which are displayed on the remote control if the TEST button is pushed twice shortly.

Size		Software	Type	
Settings	**Display**		**Settings**	**Display**
35	35	5	FHYCP	FC
45	45		FHYP	HC
60	63		FAYP	AC
71	71		FHYKP	EC
100	100		FHYBP	JC
125	125		FUYP	3C
200	200		FDYP	UC
250	250		—	

4

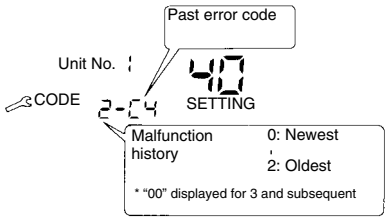
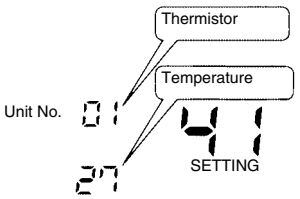
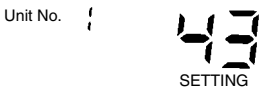
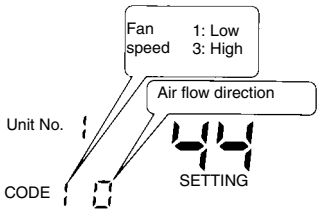
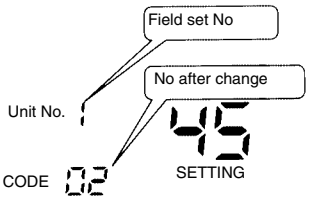
Changing the mode settings

To enter the monitoring level and to change the maintenance mode settings, proceed as follows:

Step	Action
1	Hold down the INSPECTION/TEST button for at least 4 s to enter the field setting mode.
2	Hold down the INSPECTION/TEST button for at least 4 s to enter the maintenance mode.
3	Press the TEMPERATURE CONTROL buttons as many times as needed to select the mode No. you want.
4	Press the TIMER SELECTION button as many times as needed to select the unit No. you want.
5	Carry out the settings for modes 44 and 45. See “Maintenance Mode Settings” further in this section.
6	Press the CONFIRMATION button to confirm the settings of modes 44 and 45.
7	Press the INSPECTION/TEST button to return to the normal operating mode.

Maintenance Mode Settings

The table below describes the maintenance mode settings.

Mode No.	Function	Content and operation method	Example of the remote control display
40	History error codes	Display malfunction history The history No. can be changed with the programming time button.	
41	Thermistor data display	Select the display thermistor with the programming time button. Thermistor: 0. Remote control thermistor 1. Suction thermistor 2. Heat exchanger thermistor.	
43	Forced fan ON	Turns the fan ON for each unit individually.	
44	Individual setting	Sets fan speed and air flow direction for each unit individually when using group control. Settings are made using the "air flow direction adjust" and "fan speed adjust" buttons. Confirmation by the confirmation button is required.	
45	Unit No. change	Changes unit No. Set the unit No. after changing with the programming time buttons. Confirmation by the confirmation button is required.	

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2.11 Overview of the Field Settings: R(Y)P71-250B

Jumpers

The table below contains the jumper field settings.

Jumper	Label on PCB	Function	Applicable units	See page
J1	Thermo CTR	Change thermostat OFF control indoor unit	■ RP71-250B ■ RYP71-250B	4–23
J3	Thermo CTR2	Change thermostat ON control indoor unit		4–23

DIP switches

The table below contains the DIP switch field settings.

DIP switch	Label on PCB	Function	Applicable units	Details
DS1-1	E.V. open during defrost	Increase E.V. opening degree during defrost	RYP71-250B	4–24
DS1-2	Defrost starting condition	Increase possibility to start defrost		4–24
DS2-1	Defrost starting time	Change defrost interval	RYP71-250B	4–25
DS2-2	Mode B	Reduce E.V. opening degree during defrost		4–25
DS2-3	Freeze 1	Disable intelligent function	■ RP71-250B ■ RYP71-250B	4–26
DS2-4	Freeze 2	Increase possibility to start freeze-up		4–26
DS3-1	Emergency ON/OFF	Switch emergency operation outdoor unit ON	■ RP71-250B ■ RYP71-250B	—
DS3-2	Cool / Heat	Select emergency cooling / heating operation on outdoor unit	RYP71-250B	—

BS

The table below contains the BS field setting.

BS	Label on PCB	Function	Applicable units	Details
BS	Pump down / forced defrost	Cooling/fan only: Pump down (see further in this section) Heating: Forced defrosting	■ RP71-250B ■ RYP71-250B	—

Pump down

Pump down is preferably carried out with the indoor unit set to “fan only” in order to avoid compressor restart with closed stop valves after finishing the previous pump down operation (close stop valves, turn OFF the power supply).

If accidentally, the power was switched back ON, the unit will automatically restart with closed stop valves, which may result in a possible compressor breakdown.

2.12 Jumpers

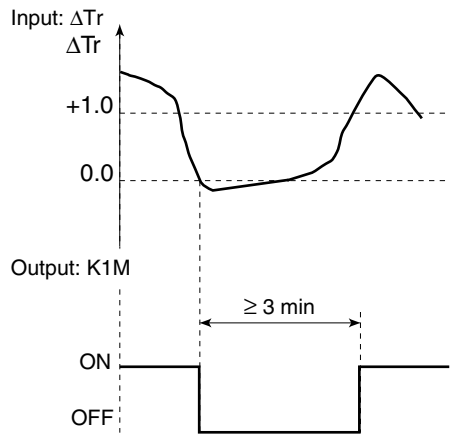
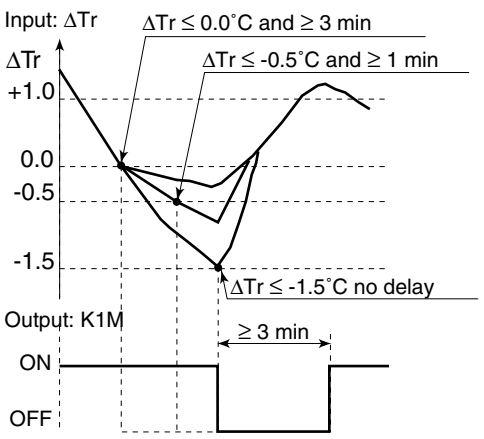
Input and output

The table below describes the input and the output of the jumpers.

Item	Description			
Input	ΔTr	Cooling	ΔTr = Tr - Ts	■ Tr = indoor unit suction air temp. ■ Ts = temp. set by the remote control
		Heating	ΔTr = Ts - Tr	
Output	Magnetic switch compressor K1M			

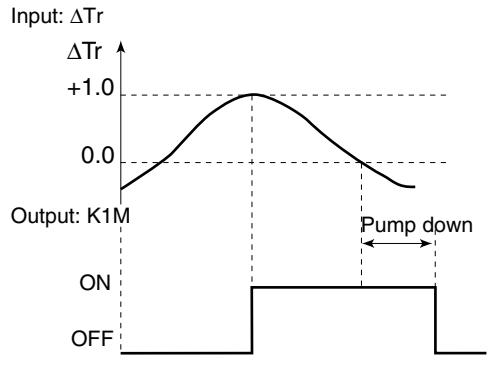
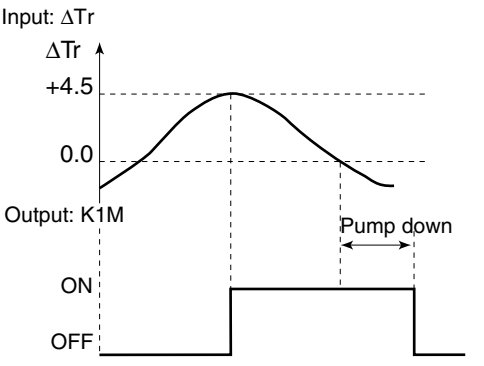
J1

The function of jumper J1 is to reduce the possibility of thermostat OFF (reduce ON/OFF cycle compr.).

Factory setting (closed state)	Field setting (open state)
Thermostat goes into OFF-state when ΔTr ≤ 0.0˚C	Thermostat goes into OFF-state when ■ -0.5˚C < ΔTr ≤ 0.0˚C for 3 min, or ■ -1.5˚C < ΔTr ≤ -0.5˚C for 1 min, or ■ ΔTr ≤ -1.5˚C
	

J3

The function of jumper J3 is to increase the differential for thermo ON.

Factory setting (closed state)	Field setting (open state)
Thermostat goes into ON-state when ΔTr ≥ 1.0˚C	Thermostat goes into ON-state when ΔTr ≥ 4.5˚C
	

2.13 DIP switch DS1

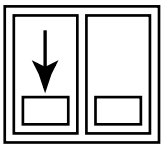
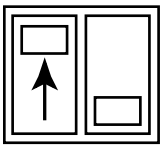
Priority

The table below contains the priority of the DIP switches.

When... are ON	Then... has priority.
■ DS1-2 ■ DS2-1	DS1-2
■ DS1-1 ■ DS2-2	DS1-1

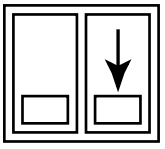
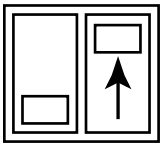
DS1-1: E.V. opening during defrost

The table below describes the DIP switch.

Setting	Illustration	Function
Factory setting	OFF 1 2 	At the start-up of the defrost operation, the E.V. will be opened to the max. (480 pulses) for a limited time (1 or 2 min), before closing to 100 pulses.
Field setting	ON 1 2 	The opening of the E.V. can change to the max. (480 pulses) in order to increase the defrost capacity. Mind the increased risk of liquid back.

DS1-2: Defrost starting condition

The table below describes the DIP switch.

Setting	Illustration	Function
Factory setting	OFF 1 2 	For temperature settings at defrosting, see page 2–38. Accumulated operation time for defrost activation = 3 h.
Field setting	ON 1 2 	■ Increases the temp. conditions for defrost activation with 4˚C. ■ Changes the accumulated operation time from 3 h to 40 min in order to advance the defrosting operation.

2.14 DIP switch DS2

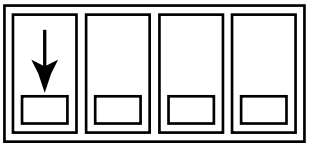
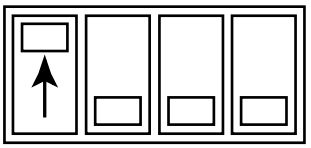
Priority

The table below contains the priority of the DIP switches.

When... are ON	Then... has priority.
■ DS1-2 ■ DS2-1	DS1-2
■ DS1-1 ■ DS2-2	DS1-1

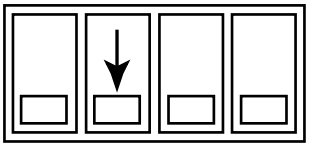
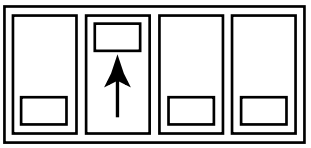
DS2-1: Defrost starting time

The table below describes the DIP switch.

Setting	Illustration	Function
Factory setting	OFF 1 2 3 4 	Accumulated operation time for defrost operation = 3 h.
Field setting	ON 1 2 3 4 	Changes the accumulated operation time for the defrost operation from 3 h to 24 h in order to delay the defrosting operation.

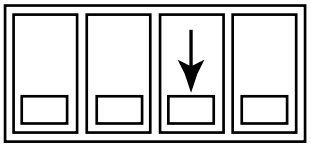
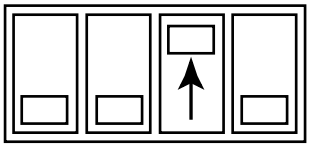
DS2-2: Mode B

The table below describes the DIP switch.

Setting	Illustration	Function
Factory setting	OFF 1 2 3 4 	At the start-up of the defrost operation, the E.V. opens at the max. (480 pulses) for a limited time (1 or 2 min), before closing to 100 pulses.
Field setting	ON 1 2 3 4 	Changes the following in order to avoid liquid back to the compressor: ■ Changes the limited time of E.V. opening at max. (480 pulses) from 1 or 2 min to 30 s. ■ Stops the compressor at defrost start and stop.

DS2-3: Freeze 1

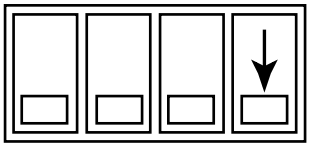
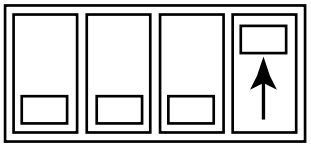
The table below describes the DIP switch.

Setting	Illustration	Function
Factory setting	OFF 1 2 3 4 	Enables the “intelligent” control function. See page 2–28.
Field setting	ON 1 2 3 4 	Disables the “intelligent” control function. It returns to the freeze-up activation conditions similar as for the G- and K-types.

4

DS2-4: Freeze 2

The table below describes the DIP switch.

Setting	Illustration	Function
Factory setting	OFF 1 2 3 4 	Normal operation.
Field setting	ON 1 2 3 4 	Enables the countermeasure to avoid ice/water blow-out during freeze-up cycle.

3 Test Run and Operation Data

Introduction

This chapter contains the following information:

- General operation data
- Operation ranges.

Overview

This chapter contains the following topics:

Topic	See page
3.1–General Operation Data	4–28
3.2–RP71B7V1, RP71B7W1, RP71B7T1, RP100B7V1, RP100B7W1, RP100B7T1, RP125B7W1 and RP125B7T1	4–29
3.3–RP200B7W1 and RP250B7W1	4–30
3.4–RYP71B7V1, RYP71B7W1, RYP100B7V1, RYP100B7W1 and RYP125B7W1	4–31
3.5–RYP200B7W1 and RYP250B7W1	4–32

3.1 General Operation Data

During cooling mode and dry keep

The operating conditions must be as follows:

Items	Operating modes	If the operation is out this range...
Outdoor temp.	■ c/o: -15 to +46˚CDB ■ h/p: -5 to +46˚CDB	■ A safety device may stop the operation. ■ Condensation may occur on the indoor unit and start dripping.
Indoor temp.	+14 to +28˚CWB	
Indoor humidity	80%	

The operation values are guidelines in the operation range:

- LP: 3.0~6.5 barg (low pressure)
- HP: 12.0~28.0 barg (high pressure)
- Td: 60~95˚C (discharge pipe temperature compressor)
- Ts: -2~15˚C (suction pipe temperature compressor)
- ΔTi: 8~16˚C (indoor temperature difference |air return – air outlet|).

During heating mode

The operating conditions must be as follows:

Items	Operating modes	If the operation is out this range...
Outdoor temp.	-10 to +15.5˚CWB	A safety device may stop the operation.
Indoor temp.	+15 to +27˚CDB	

The operation values are guidelines in the operation range:

- LP: 1.8~6.4 barg (low pressure)
- HP: 13.0~28.0 barg (high pressure)
- Td: 55~95˚C (discharge pipe temperature compressor)
- Ts: -15~10˚C (suction pipe temperature compressor)
- ΔTi: 12~32˚C (indoor temperature difference |air return – air outlet|).

3.2 RP71B7V1, RP71B7W1, RP71B7T1, RP100B7V1, RP100B7W1, RP100B7T1, RP125B7W1 and RP125B7T1

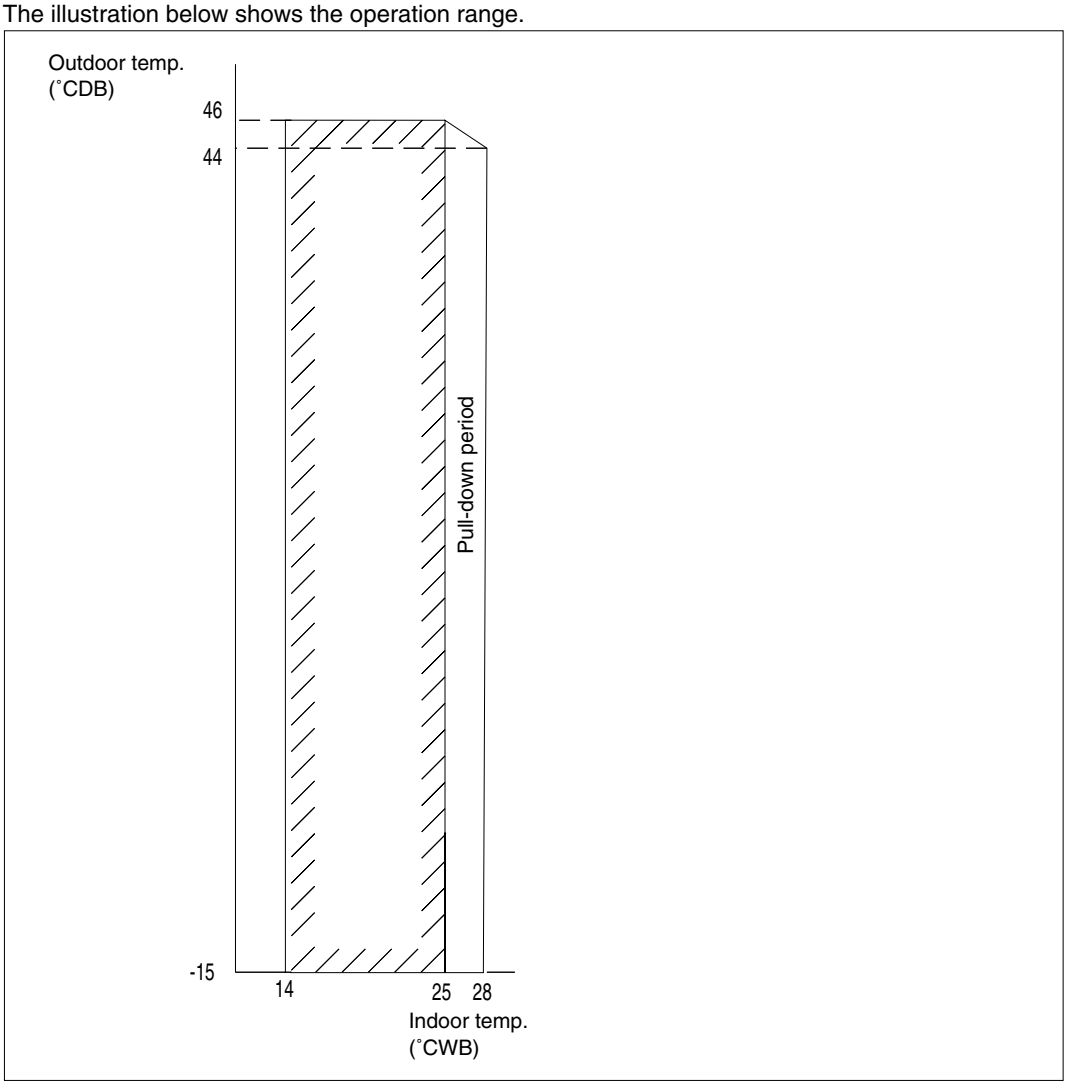
Conditions

The illustration in this section is based on the following conditions:

- Equivalent piping length: 7.5 m
- Level difference: 0 m
- Air flow rate: High.

Operation range

The illustration below shows the operation range.



3.3 RP200B7W1 and RP250B7W1

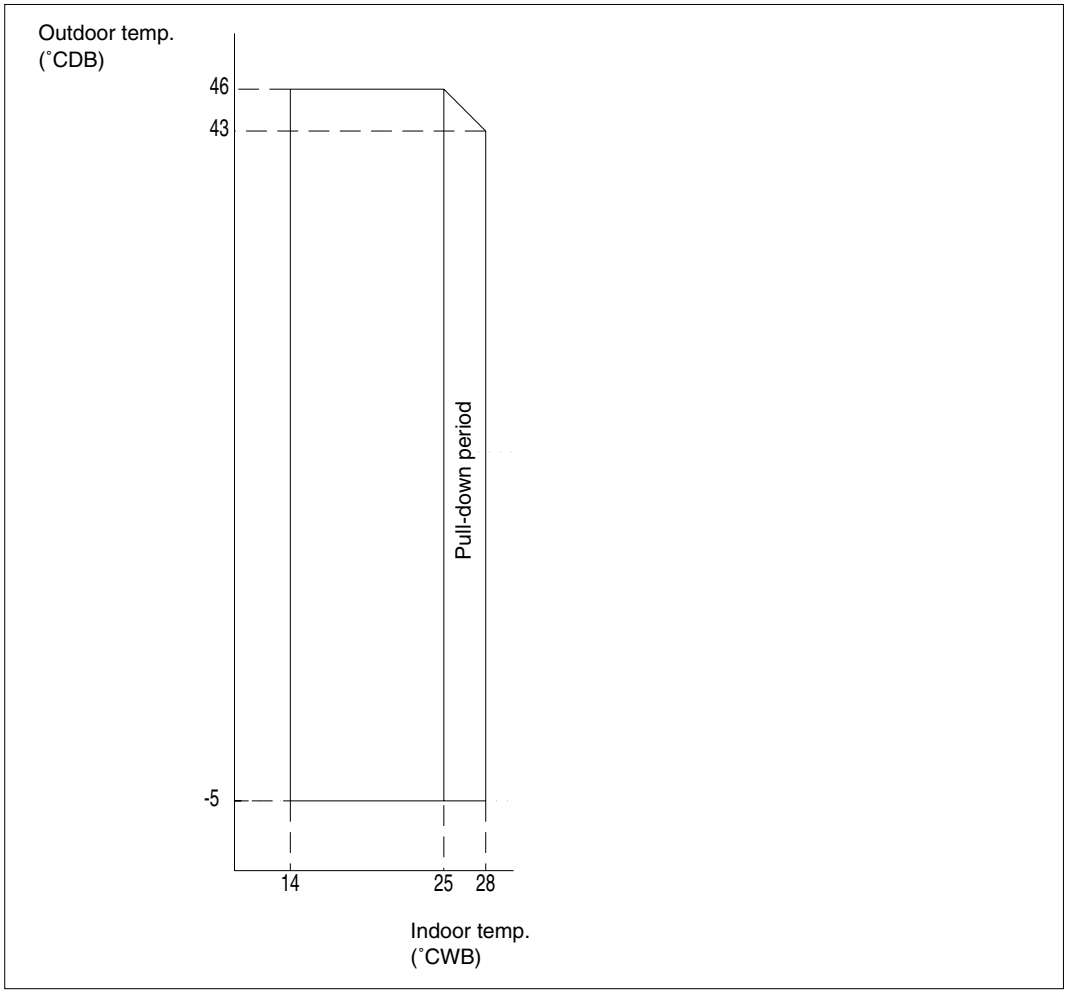
Conditions

The illustration in this section is based on the following conditions:

- Equivalent piping length: 70 m
- Level difference: 30 m
- Indoor air flow rate: 72 m³/min (200 class), 90 m³/min (250 class).

Operation range

The illustration below shows the operation range.



4

3.4 RYP71B7V1, RYP71B7W1, RYP100B7V1, RYP100B7W1 and RYP125B7W1

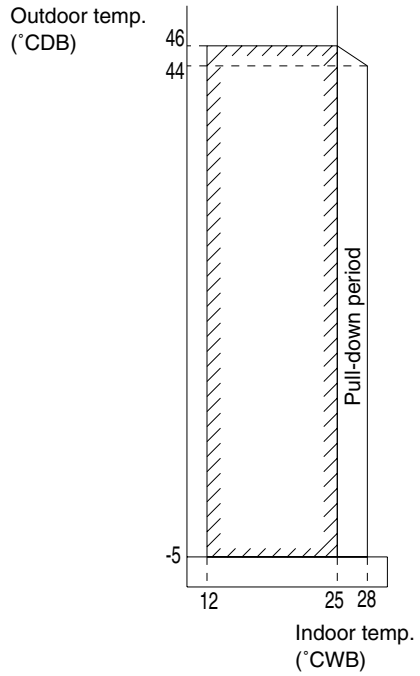
Conditions

The illustrations in this section are based on the following conditions:

- Equivalent piping length: 7.5 m
- Level difference: 0 m
- Air flow rate: High.

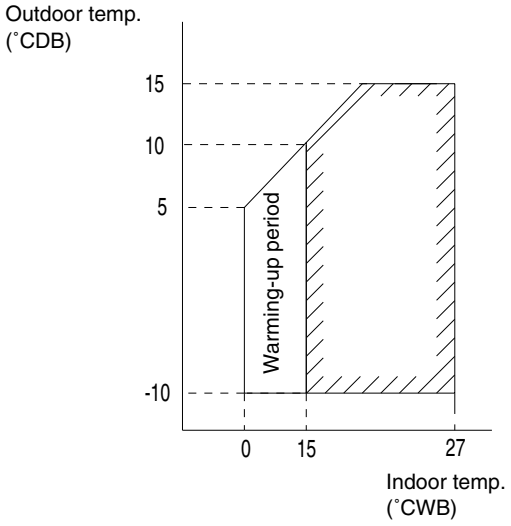
Operation range: Cooling

The illustration below shows the operation range.



Operation range: Heating

The illustration below shows the operation range.



3.5 RYP200B7W1 and RYP250B7W1

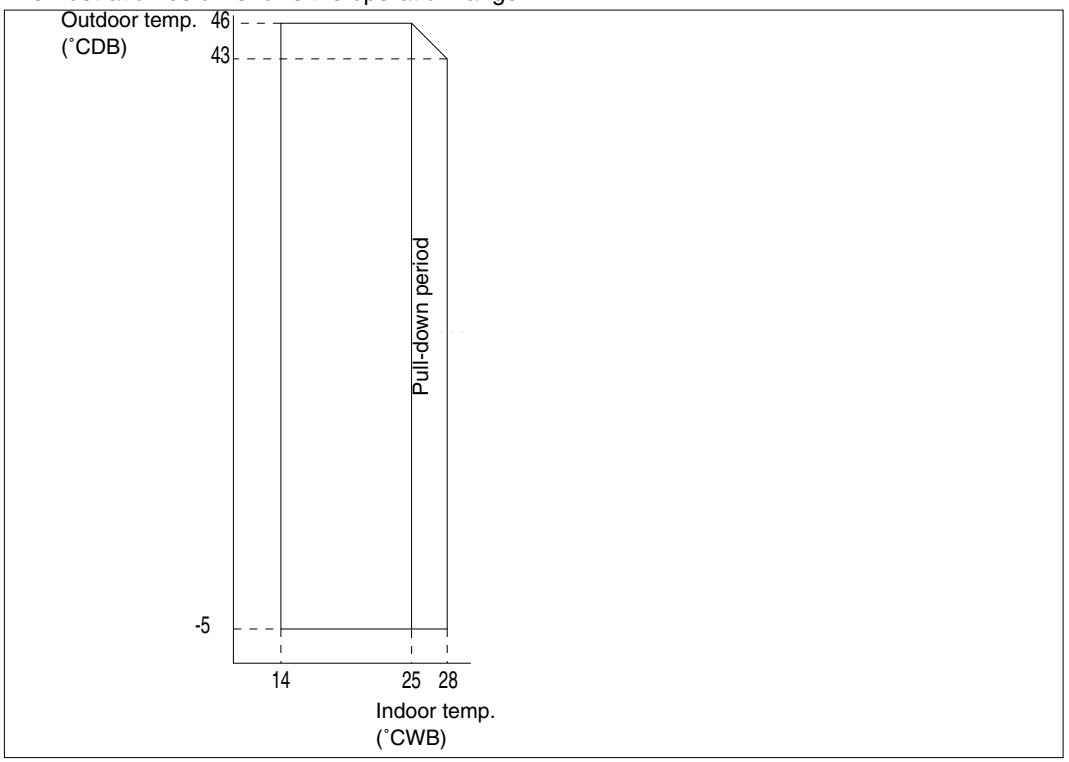
Conditions

The illustrations in this section are based on the following conditions:

- Equivalent piping length: 70 m
- Level difference: 30 m
- Indoor air flow rate: 72 m³/min (200 class), 90 m³/min (250 class).

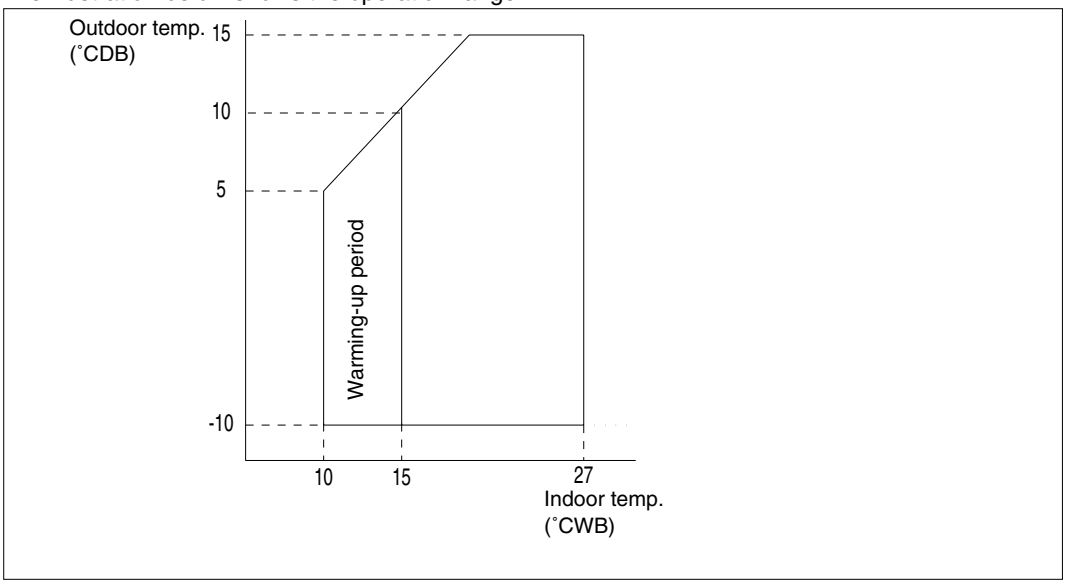
Operation range: Cooling

The illustration below shows the operation range.



Operation range: Heating

The illustration below shows the operation range.



Part 5
Disassembly and Maintenance

What is in this part? This part contains the following chapters:

Chapter	See page
1–Disassembly and Maintenance: Outdoor Units	5–3
2–Disassembly and Maintenance: Indoor Units	5–29

5

1 Disassembly and Maintenance: Outdoor Units

1.1 What Is in This Chapter?

Introduction

This chapter contains the following information on the outdoor units:

- Exploded views
- Components.

Overview

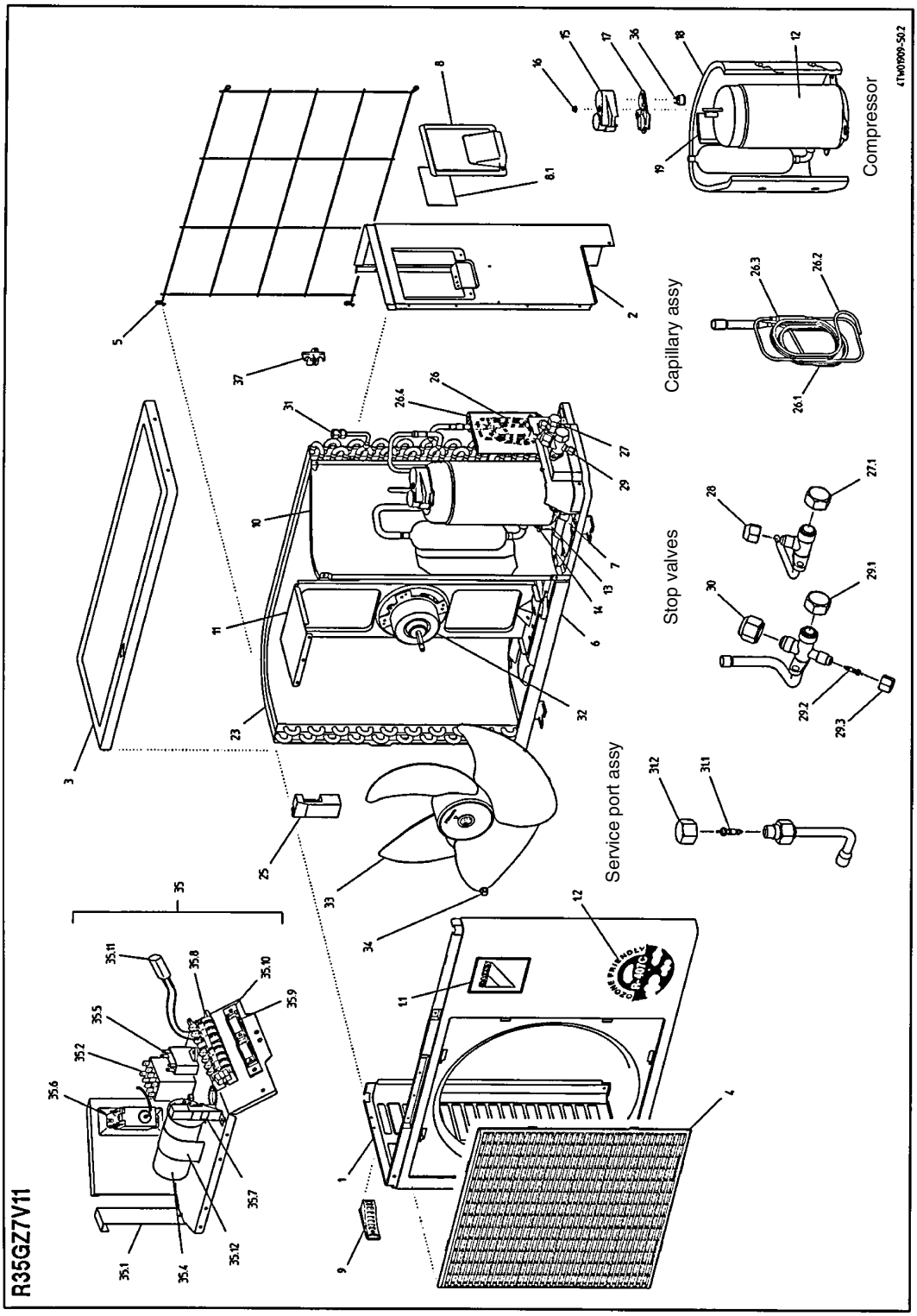
This chapter contains the following topics:

Topic	See page
1.2–R35GZ7V11	5–4
1.3–R45GZ7V11 and R45GZ7W11	5–6
1.4–RY35EAZ7V1 and RY45EAZ7V1v	5–8
1.5–R60GZ7W11	5–10
1.6–MA56GZ7W11	5–12
1.7–MA90GZ7W11	5–14
1.8–RP71B7V1, RP71B7W1 and RP71B7T1	5–16
1.9–RYP71B7V1 and RYP71B7W1	5–18
1.10–RP100B7V1, RP100B7W1, RP100B7T1, RP125B7W1 and RP125B7T1	5–20
1.11–RYP100B7V1, RYP100B7W1 and RYP125B7W1	5–22
1.12–RP200B7W1 and RP250B7W1	5–24
1.13–RYP200B7W1 and RYP250B7W1	5–26

1.2 R35GZ7V11

Exploded view

The illustration below shows the exploded view.



Components

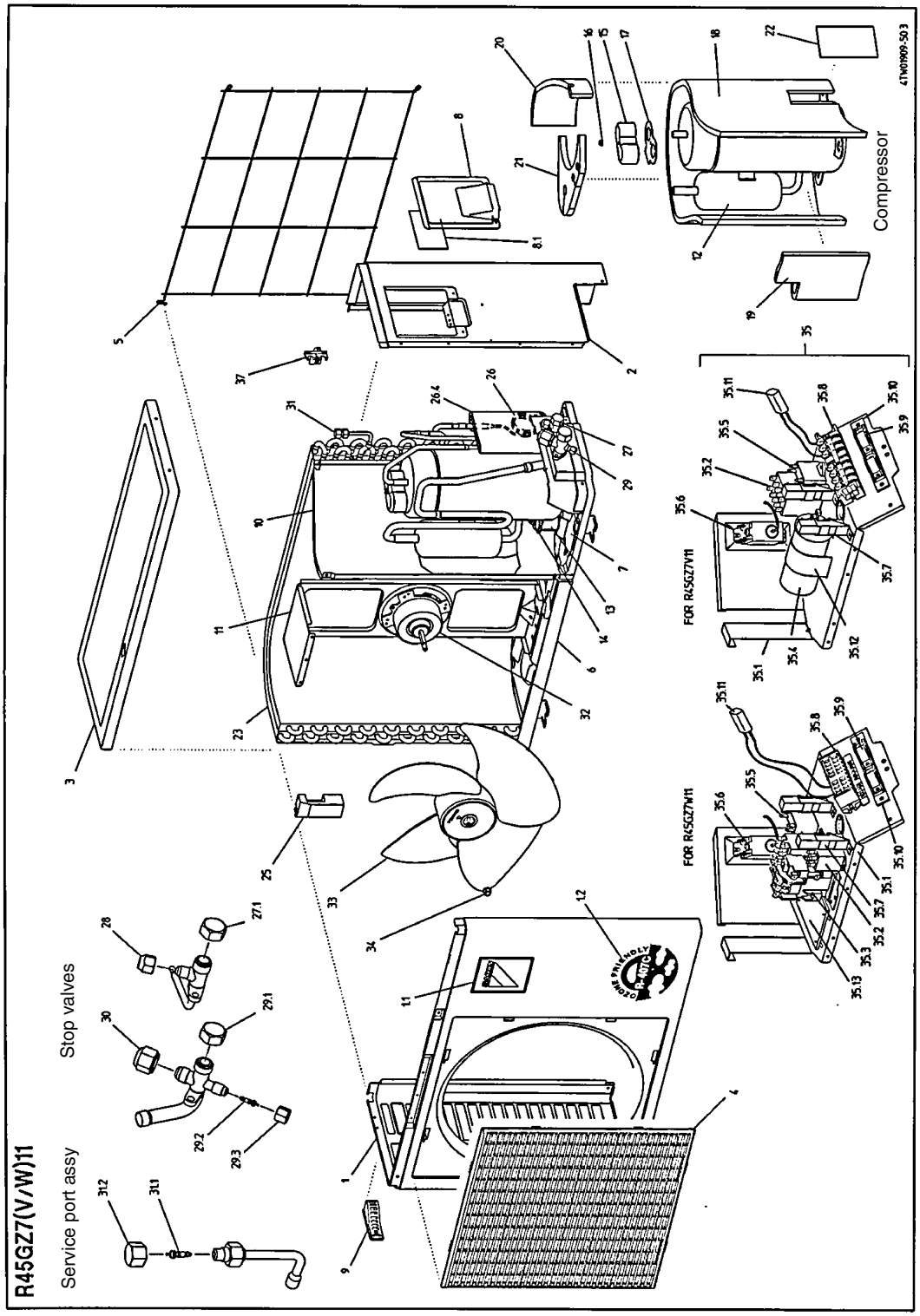
The table below contains the components of the exploded view.

No.	Component	No.	Component
1	Front plate assy	27	Stop valve assy (liquid line)
1.1	DAIKIN name plate	27.1	Stop valve cover
1.2	R407C sticker	28	Flare nut
2	Right side plate	29	Stop valve assy (gas line)
3	Top plate	29.1	Stop valve cover
4	Discharge grille	29.2	Valve core
5	Suction grille	29.3	Blind cap
6	Bottom frame	30	Flare nut
7	Set plate for compressor	31	Service port assy
8	Service cover assy	31.1	Valve core
8.1	Wiring diagram sticker	31.2	Blind cap
9	Handle	32	Fan motor
10	Partition plate	33	Propeller fan
11	Fan motor stand	34	Fan nut
12	Compressor	35	Switch box assy
13	Compressor rubber	35.1	Switch box set plate
14	Nut	35.2	Magnetic contactor
15	Terminal cover	35.3	Magnetic switch
16	Terminal nut	35.4	Running capacitor
17	Terminal rubber	35.5	Capacitor (fan motor)
18	Compressor sound absorber 1	35.6	Thermostat
19	Compressor sound absorber 2	35.7	Surge absorber
20	Compressor sound absorber 3	35.8	Wire terminal
21	Compressor sound absorber top	35.9	Wire clamp
22	Sound absorber	35.10	Insulation strip
23	Outdoor heat exchanger assy	35.11	Noise filter assy
24	Bypass sealing plate	35.12	Capacitor fixing band
25	Cushion for heat exchanger assy	35.13	Reverse phase protector
26	Capillary tube assy	36	Overload protector
26.1	Capillary tube 1	37	Set plate for thermistor
26.2	Capillary tube 2	—	
26.3	Capillary joint		
26.4	Sound absorber putty		

1.3 R45GZ7V11 and R45GZ7W11

Exploded view

The illustration below shows the exploded view.



Components

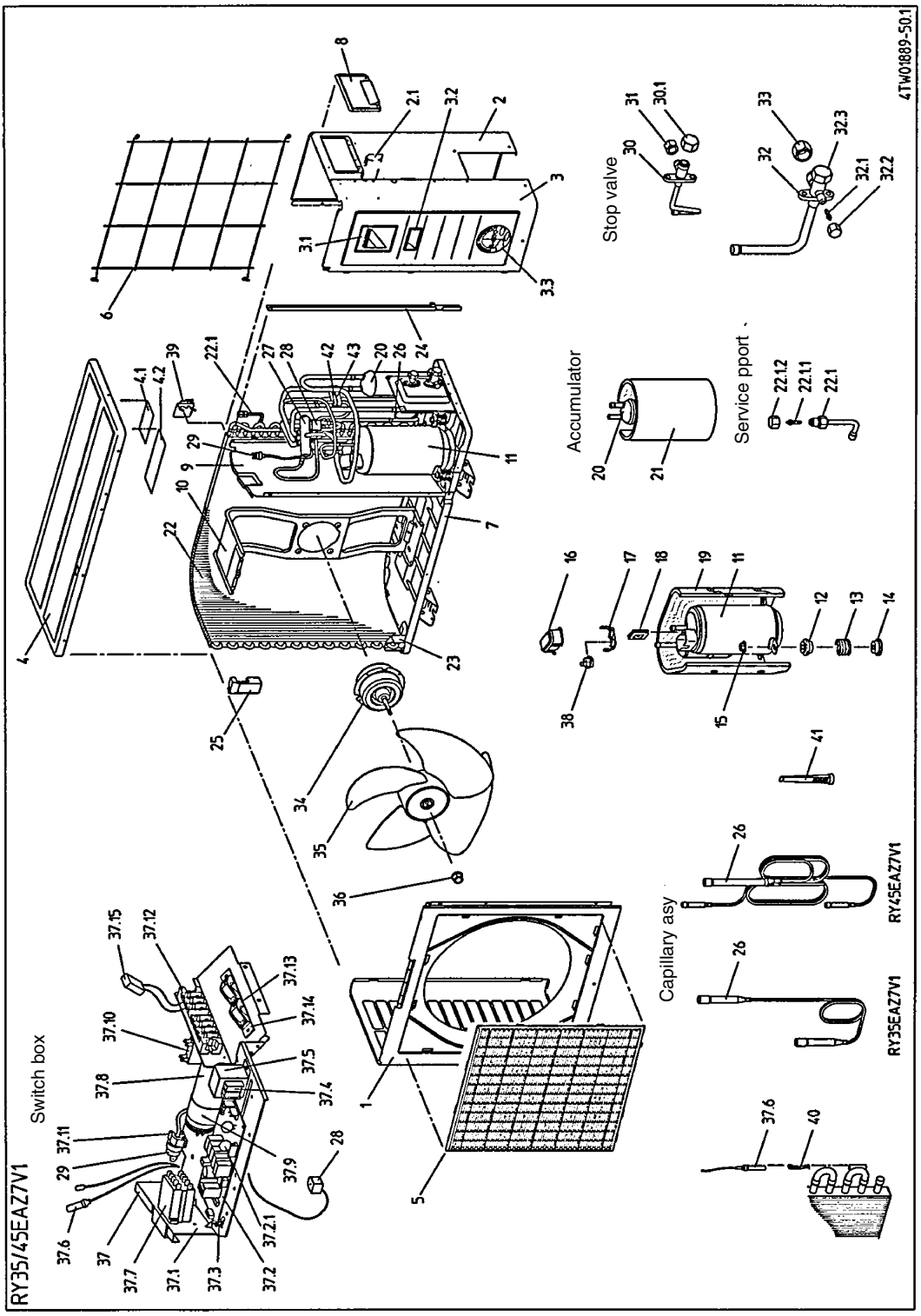
The table below contains the components of the exploded view.

No.	Component	No.	Component
1	Front plate assy	27	Stop valve assy (liquid line)
1.1	DAIKIN name plate	27.1	Stop valve cover
1.2	R407C sticker	28	Flare nut
2	Right side plate	29	Stop valve assy (gas line)
3	Top plate	29.1	Stop valve cover
4	Discharge grille	29.2	Valve core
5	Suction grille	29.3	Blind cap
6	Bottom frame	30	Flare nut
7	Set plate for compressor	31	Service port assy
8	Service cover assy	31.1	Valve core
8.1	Wiring diagram sticker	31.2	Blind cap
9	Handle	32	Fan motor
10	Partition plate	33	Propeller fan
11	Fan motor stand	34	Fan nut
12	Compressor	35	Switch box assy
13	Compressor rubber	35.1	Switch box set plate
14	Nut	35.2	Magnetic contactor
15	Terminal cover	35.3	Magnetic switch
16	Terminal nut	35.4	Running capacitor
17	Terminal rubber	35.5	Capacitor (fan motor)
18	Compressor sound absorber 1	35.6	Thermostat
19	Compressor sound absorber 2	35.7	Surge absorber
20	Compressor sound absorber 3	35.8	Wire terminal
21	Compressor sound absorber top	35.9	Wire clamp
22	Sound absorber	35.10	Insulation strip
23	Outdoor heat exchanger assy	35.11	Noise filter assy
24	Bypass sealing plate	35.12	Capacitor fixing band
25	Cushion for heat exchanger assy	35.13	Reverse phase protector
26	Capillary tube assy	36	Overload protector
26.1	Capillary tube 1	37	Set plate for thermistor
26.2	Capillary tube 2	—	
26.3	Capillary joint		
26.4	Sound absorber putty		

1.4 RY35EAZ7V1 and RY45EAZ7V1

Exploded view

The illustration below shows the exploded view.



Components

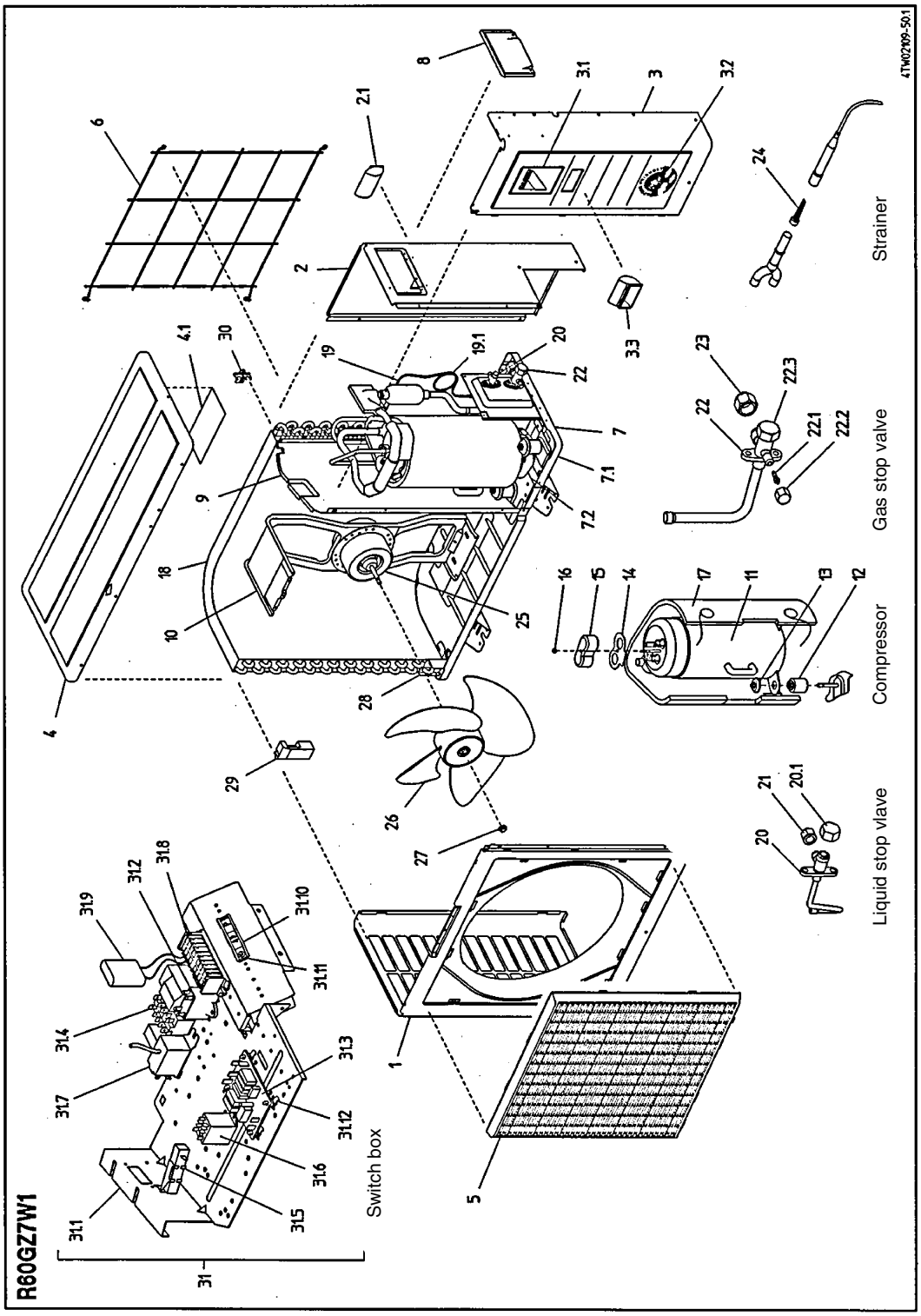
The table below contains the components of the exploded view.

No.	Component	No.	Component
1	Front plate	28	Solenoid valve assy
2	Side plate right rear	29	High-pressure switch
2.1	Handgrip	30	Stop valve assy (liquid line)
3	Side plate right left	30.1	Valve cap (stop valve)
3.1	DAIKIN name plate	31	Flare nut
3.2	Handgrip	32	Stop valve assy (gas line)
3.3	R407C sticker	32.1	Valve core (service port)
4	Top plate	32.2	Cover for service port
4.1	Wiring diagram	32.3	Stop valve cover
4.2	Fault diagnosis name plate	33	Flare nut
5	Air discharge grille assy	34	Fan motor
6	Suction grille	35	Propeller fan assy
7	Bottom frame assy	36	Fan nut
8	Service cover assy	37	Switch box assy
9	Partition plate	37.1	Switch box plate
10	Fan motor stand	37.2	PCB assy
11	Compressor	37.2.1	Varistor
12	Spring holder upper	37.3	Locking guard spacer
13	Spring	37.4	Power transformer
14	Spring holder lower	37.5	Transformer fixing plate
15	Flange nut	37.6	Thermistor assy
16	Terminal cover	37.7	Magnetic contactor
17	Retainer o.l. relay	37.8	Running capacitor
18	Lead wire protection bush	37.9	Capacitor fixing band
19	Compressor sound absorber shell	37.10	Fan capacitor
20	Accumulator	37.11	Set plate for high-pressure switch
21	Accumulator sound absorber shell	37.12	Terminal strip
22	Heat exchanger assy	37.13	Wire clamp
22.1	Service port assy	37.14	Insulation strip for wire clamp
22.1.1	Valve core (service port)	37.15	Filter capacitor assy
22.1.2	Cover for service port	38	Overload protector
23	Heat exchanger fixing plate	39	Outdoor thermistor mounting plate
24	Bypass seal plate	40	Set metal (thermistor use)
25	Cushion outdoor heat exchanger	41	Strainer
26	Capillary assy	42	Accumulator cushion rubber
27	4-way valve body	43	Plate spring

1.5 R60GZ7W11

Exploded view

The illustration below shows the exploded view.



Components

The table below contains the components of the exploded view.

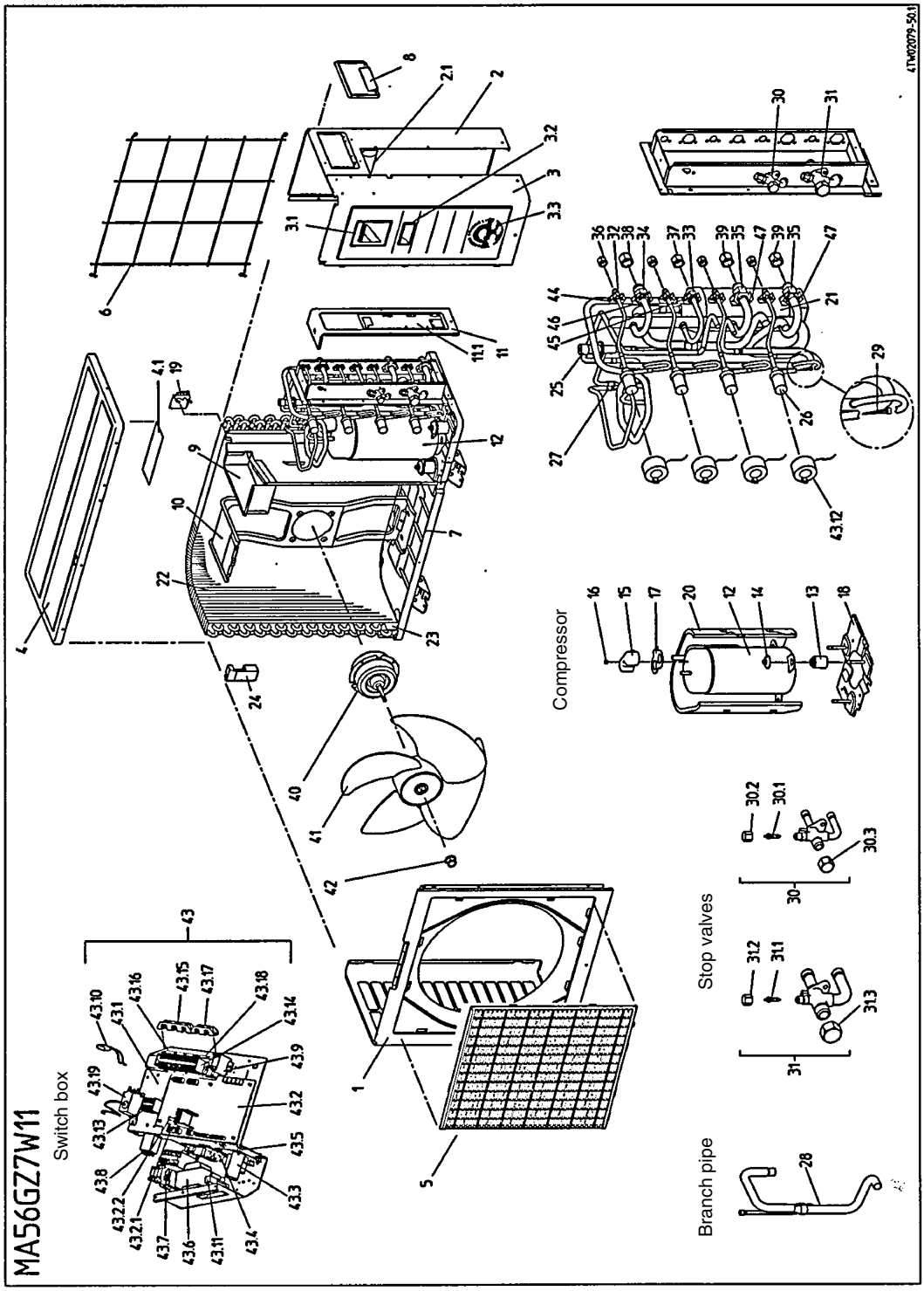
No.	Component	No.	Component
1	Front plate assy	21	Flare nut
2	Side plate back assy	22	Gas stop valve assy
2.1	Handgrip	22.1	Valve core service port
3	Side plate front assy	22.2	Cover for service port
3.1	DAIKIN name plate	22.3	Stop valve cover
3.2	R407C sticker	23	Flare nut
3.3	Handgrip	24	Strainer
4	Top plate	25	Fan motor
4.1	Wiring diagram	26	Propeller fan assy
5	Discharge grille	27	Fan nut
6	Suction grille	28	Heat exchanger fixing plate
7	Bottom frame + set plate assy	29	Cushion outdoor heat exchanger
7.1	Bottom frame assy	30	Outdoor thermistor mounting plate
7.2	Compressor set plate assy	31	Switch box assy
8	Service cover assy	31.1	Switch box plate
9	Partition plate	31.2	Fan capacitor
10	Fan motor stand	31.3	Reverse phase protector
11	Compressor with accumulator	31.4	Magnetic switch
12	Compressor rubber	31.5	Surge absorber
13	Compressor nut	31.6	Magnetic contactor
14	Terminal rubber	31.7	Thermostat
15	Terminal cover	31.8	Terminal strip
16	Terminal nut	31.9	Noise filter
17	Compresssor sound absorber shell	31.10	Wire clamp
18	Heat exchanger assy	31.11	Insulation strip for wire clamp
19	Liquid pipe asy	31.12	Locking guard spacer
19.1	Capillary tube	—	
20	Liquid stop valve assy		
20.1	Valve cap (stop valve)		

5

1.6 MA56GZ7W11

Exploded view

The illustration below shows the exploded view.



Components

The table below contains the components of the exploded view.

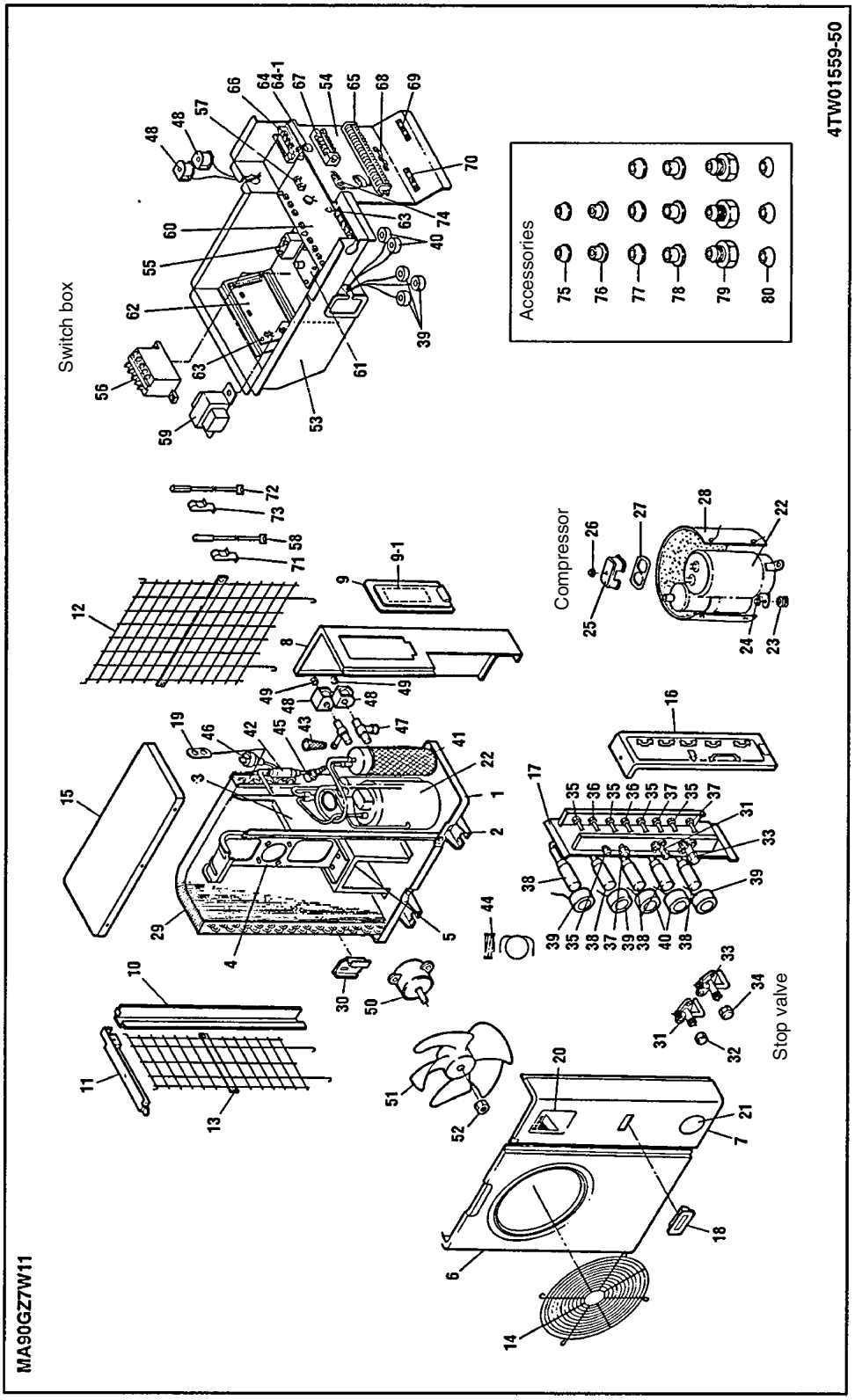
No.	Component	No.	Component
1	Front plate	32	Union joint (liquid line)
2	Side plate back assy	33	Union joint (gas line)
2.1	Handgrip	34	Union joint (gas line)
3	Side plate front assy	35	Union joint (gas line)
3.1	DAIKIN name plate	36	Flare nut
3.2	Handgrip	37	Flare nut
3.3	R407C sticker	38	Flare nut
4	Top plate assy	39	Flare nut
4.1	Wiring diagram	40	Fan motor
5	Air discharge grille assy	41	Propeller fan
6	Suction grille	42	Fan nut
7	Bottom frame assy	43	Switch box assy
8	Service cover assy	43.1	Switch box plate
9	Partition plate	43.2	PCB assy
10	Fan motor stand	43.2.1	Fuse (printed circuit)
11	Piping mounting plate cover assy	43.2.2	Varistor
11.1	Liquid/gas indication N/P	43.3	PCB assy
12	Compressor	43.4	Reverse phase protector
13	Compressor rubber	43.5	Locking card spacer
14	Compressor nut	43.6	Power transformer
15	Terminal cover	43.7	Magnetic contactor
16	Terminal nut	43.8	Magnetic contactor
17	Terminal rubber	43.9	Fan capacitor
18	Compressor set plate assy	43.10	Noise filter
19	Set plate for thermistor	43.11	Surge absorber
20	Compressor sound absorber shell	43.12	Electronic expansion valve coil
21	Accumulator assy	43.13	Terminal strip
22	Heat exchanger assy	43.14	Terminal strip
23	Heat exchanger assy	43.15	Wire clamp (lead wire)
24	Cushion outdoor heat exchanger	43.16	Insulation strip for wire clamp
25	Low pressure control valve	43.17	Wire clamp
26	Motor valve	43.18	Insulation strip for wire clamp
27	Branch pipe	43.19	Low ambient thermostat
28	Stop valve outlet pipe assy	44	Set plate half union joint
29	Strainer	45	Set plate half union joint
30	Stop valve assy (liquid line)	46	Set plate half union joint
30.1	Valve core	47	Set plate half union joint
30.2	Blind cap	—	
30.3	Valve cap (stop valve)		
31	Stop valve assy (gas line)		
31.1	Valve core		
31.2	Blind cap		
31.3	Valve cap (stop valve)		

5

1.7 MA90GZ7W11

Exploded view

The illustration below shows the exploded view.



Components

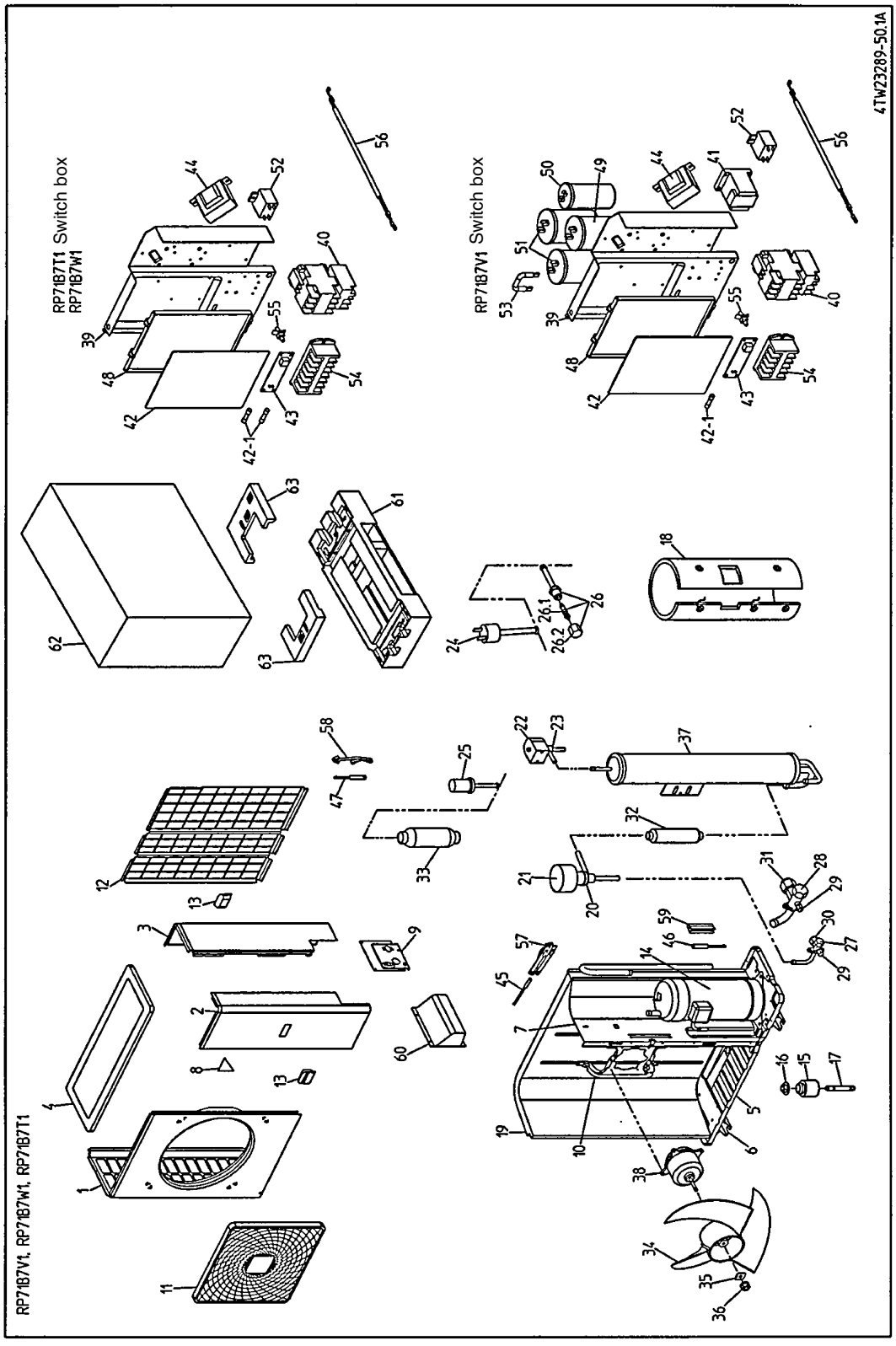
The table below contains the components of the exploded view.

No.	Component	No.	Component
1	Bottom frame assy	41	Accumulator assy
2	Installation leg	42	Strainer
3	Partition plate	43	Strainer
4	Fan motor stand	44	Capillary tube bended
5	Fan motor stand mounting plate	45	Low pressure control valve
6	Front plate	46	High-pressure switch
7	Side plate front assy	47	Solenoid valve body
8	Side plate back assy	48	Solenoid valve coil assy
9	Service cover assy	49	Set screw (solenoid valve)
9.1	Wiring diagram	50	Fan motor
10	Stay	51	Fan propeller assy
11	Frame plate	52	Fan nut
12	Suction grille 1	53	Switch box metal assy
13	Suction grille 2	54	Switch box plate
14	Discharge grille assy	55	Running capacitor (fan motor)
15	Top plate assy	56	Magnetic contactor
16	Piping mounting plate cover	57	Fuse (printed circuit)
17	Piping mounting plate assy	58	Thermistor
18	Handgrip	59	Power transformer
19	Connection plate	60	PCB assy
20	DAIKIN name plate	61	PCB assy
21	R407C sticker	62	PCB assy
22	Compressor with accumulator	63	Locking card spacer
23	Compressor rubber	64	Film capacitor
24	Compressor nut	64.1	Noise filter
25	Terminal cover (compressor)	65	Terminal strip (control circuit)
26	Termnal nut (compressor)	66	Terminal strip 4p ((control circuit)
27	Terminal rubber (compressor)	67	Terminal strip (power source)
28	Compressor sound absorber shell	68	Cable clamp
29	Heat exchanger assy	69	Cable clamp
30	Heat exchanger fixing plate	70	Cable clamp
31	Stop valve assy (liquid line)	71	Thermistor set spring
32	Valve cap	72	Discharge thermostat
33	Stop valve assy (gas line)	73	Thermistor set spring
34	Cap. stop valve	74	Low ambient thermostat
35	Union joint (liquid line)	75	Packing (reducing joint)
36	Union joint (gas line)	76	Packing (reducing joint)
37	Union joint (gas line)	77	Packing (reducing joint)
38	Motor operated body	78	Packing (reducing joint)
39	Motor valve coil	79	Reducing joint
40	Motor valve coil	80	Packing (flare nut)

1.8 RP71B7V1, RP71B7W1 and RP71B7T1

Exploded view

The illustration below shows the exploded view.



Components

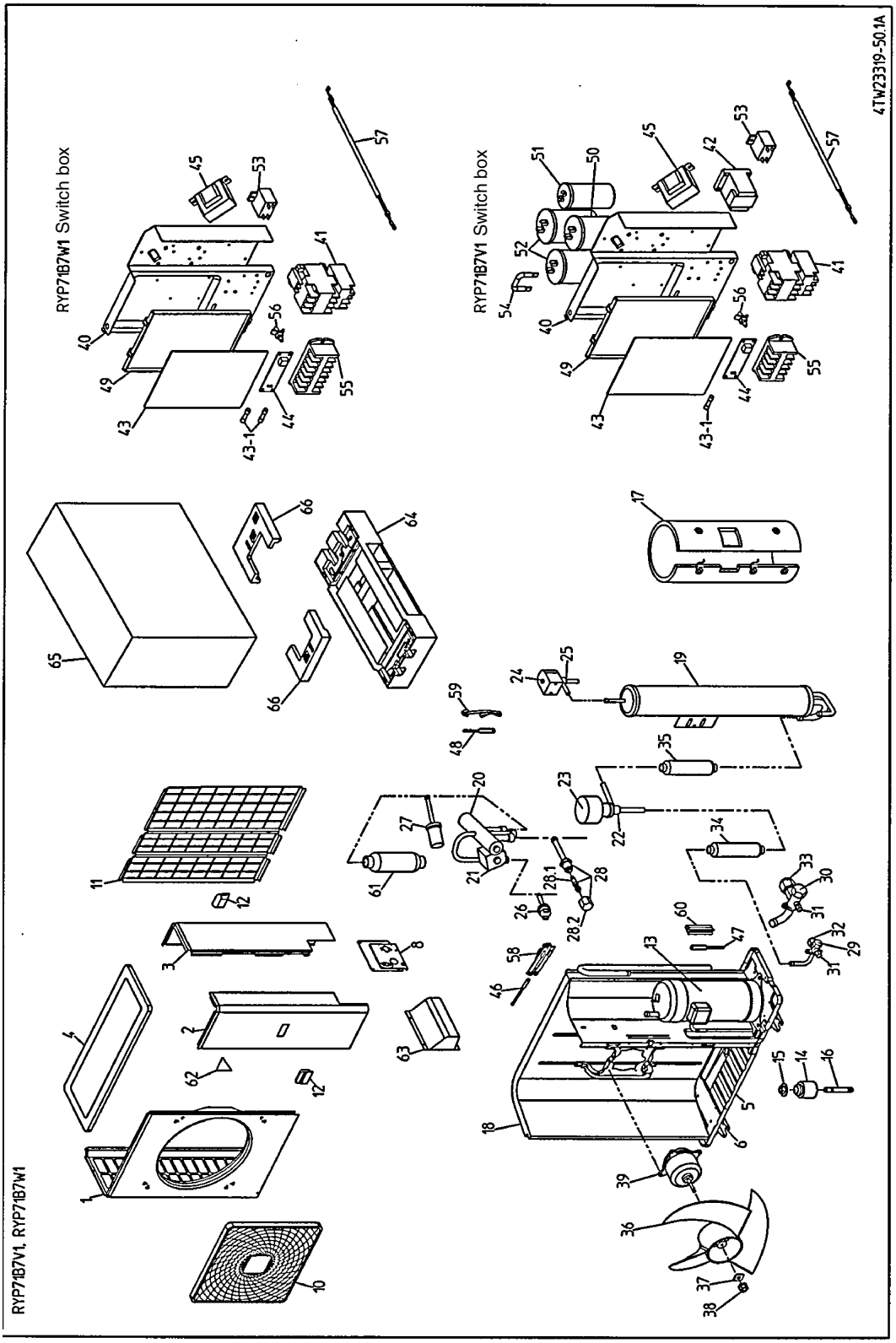
The table below contains the components of the exploded view.

No.	Component	No.	Component
1	Front plate 1	32	Filter
2	Front plate 2	33	Filter
3	Assy sealing side plate	34	Fan propeller
4	Top plate assy	35	Washer
5	Bottom frame assy	36	Nut with washer
6	Fixation leg	37	Receiver
7	Partition plate assy	38	Fan motor
8	DAIKIN name plate	39	Switch box body
9	Stop valve mounting plate	40	Magnetic contactor + OC
10	Fan motor base	41	Starting relay
11	Air discharge grille	42	PCB assy
12	Air suction grille	42.1	Glass tube fuse
13	Handle	43	PCB assy
14	Compressor scroll	44	Transformer
15	Rubber cushion pre-assy	45	Air thermistor
16	Nut with washer	46	Heat exchanger thermistor
17	Bolt for compressor	47	Discharge thermistor
18	Compresser sound absorber	48	Resin PCB support
19	Heat exchanger	49	Running capacitor compressor
20	Motor valve body	50	Running capacitor compressor
21	Coil motor valve	51	Start capacitor compressor
22	Solenoid valve coil	52	Capacitor fan motor
23	Solenoid valve	53	Resistor assy
24	High-pressure switch	54	Terminal strip
25	Low-pressure switch	55	Locking card spacer
26	Charge valve	56	Compressor cable assy
26.1	Valve core (service port)	57	Thermistor fixing plate
26.2	Blinde cap (service port)	58	Thermistor mounting spring
27	Stop valve assy	59	Thermistor mounting spring
28	Stop valve assy	60	Stop valve cover
29	Service cap	61	Bottom tray assy
30	Flare nut	62	Packing case shell
31	Flare nut	63	Packing cushion assy

1.9 RYP71B7V1 and RYP71B7W1

Exploded view

The illustration below shows the exploded view.



Components

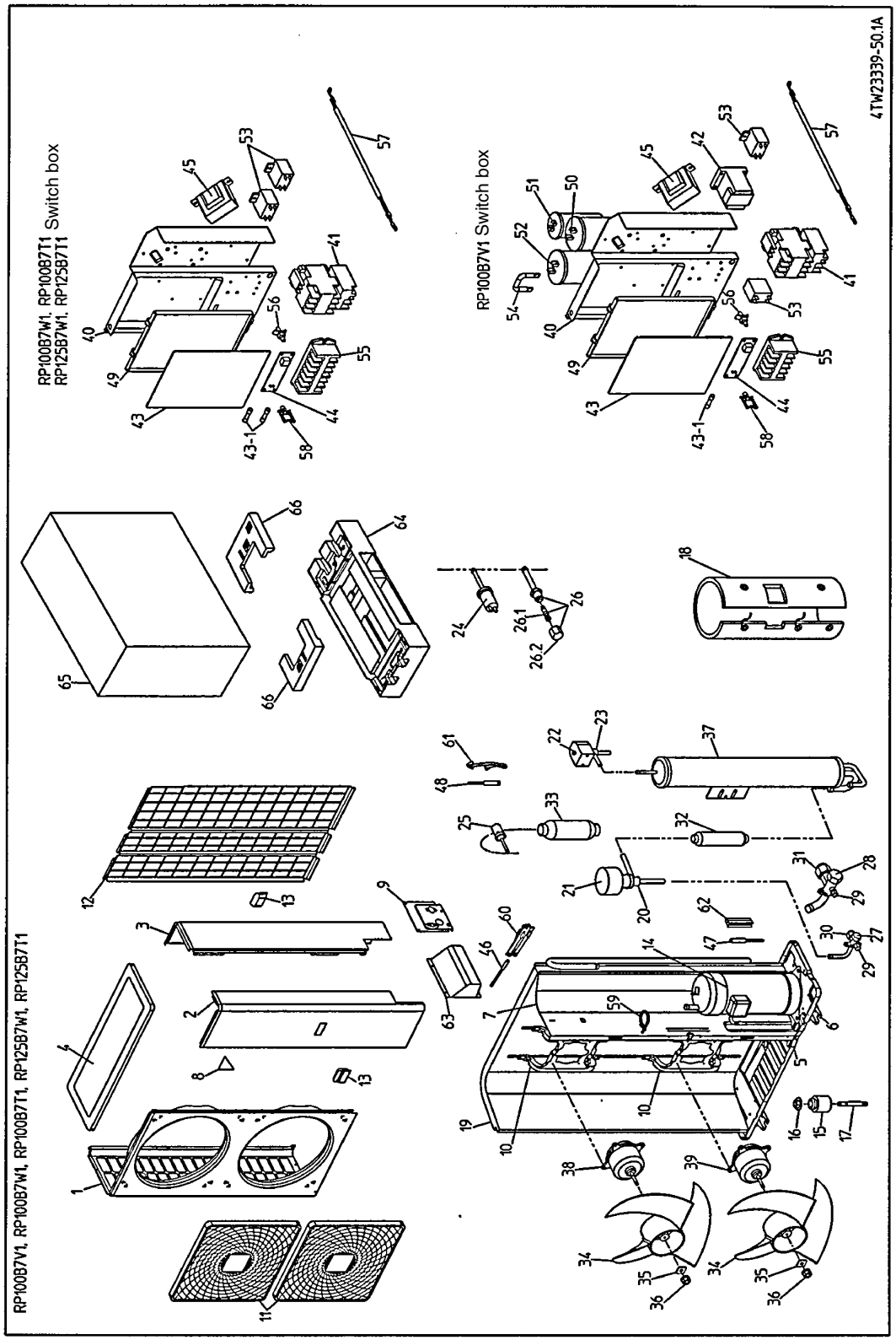
The table below contains the components of the exploded view.

No.	Component	No.	Component
1	Front plate 1	34	Filter
2	Front plate 2	35	Filter
3	Assy sealing side plate	36	Fan propeller
4	Top plate assy	37	Washer
5	Bottom plate assy	38	Nut with washer
6	Fixation leg	39	Fan motor
7	Partition plate assy	40	Switch box body
8	Stop valve mounting plate	41	Magnetic contactor + OC
9	Fan motor base	42	Starting relay
10	Air discharge grille	43	PCB assy
11	Suction grille	43.1	Glass tube fuse
12	Handle	44	PCB assy
13	Compressor scroll	45	Transformer
14	Rubber cushion pre-assy	46	Air thermistor
15	Nut with washer	47	Heat exchanger thermistor
16	Bolt for compressor	48	Discharge thermistor
17	Compressor sound absorber	49	Resin PCB support
18	Heat exchanger	50	Running capacitor compressor
19	Receiver	51	Running capacitor compressor
20	4-way valve	52	Start capacitor compressor
21	Coil 4-way valve	53	Capacitor fan motor
22	Motor valve body	54	Resistor assy
23	Coil motor valve	55	Terminal strip
24	Solenoid valve coil	56	Locking card spacer
25	Solenoid valve	57	Compressor cable assy
26	High-pressure switch	58	Thermistor fixing plate
27	Low-pressure switch	59	Thermistor mounting spring
28	Charge valve	60	Thermistor mounting spring
28.1	Valve core (service port)	61	Filter
28.2	Blind cap (service port)	62	DAIKIN name plate
29	Stop valve assy	63	Stop valve cover
30	Stop valve assy	64	Bottom tray assy
31	Service cap	65	Packing case shell
32	Flare nut	66	Packing cushion assy
33	Flare nut	—	

1.10 RP100B7V1, RP100B7W1, RP100B7T1, RP125B7W1 and RP125B7T1

Exploded view

The illustration below shows the exploded view.



Components

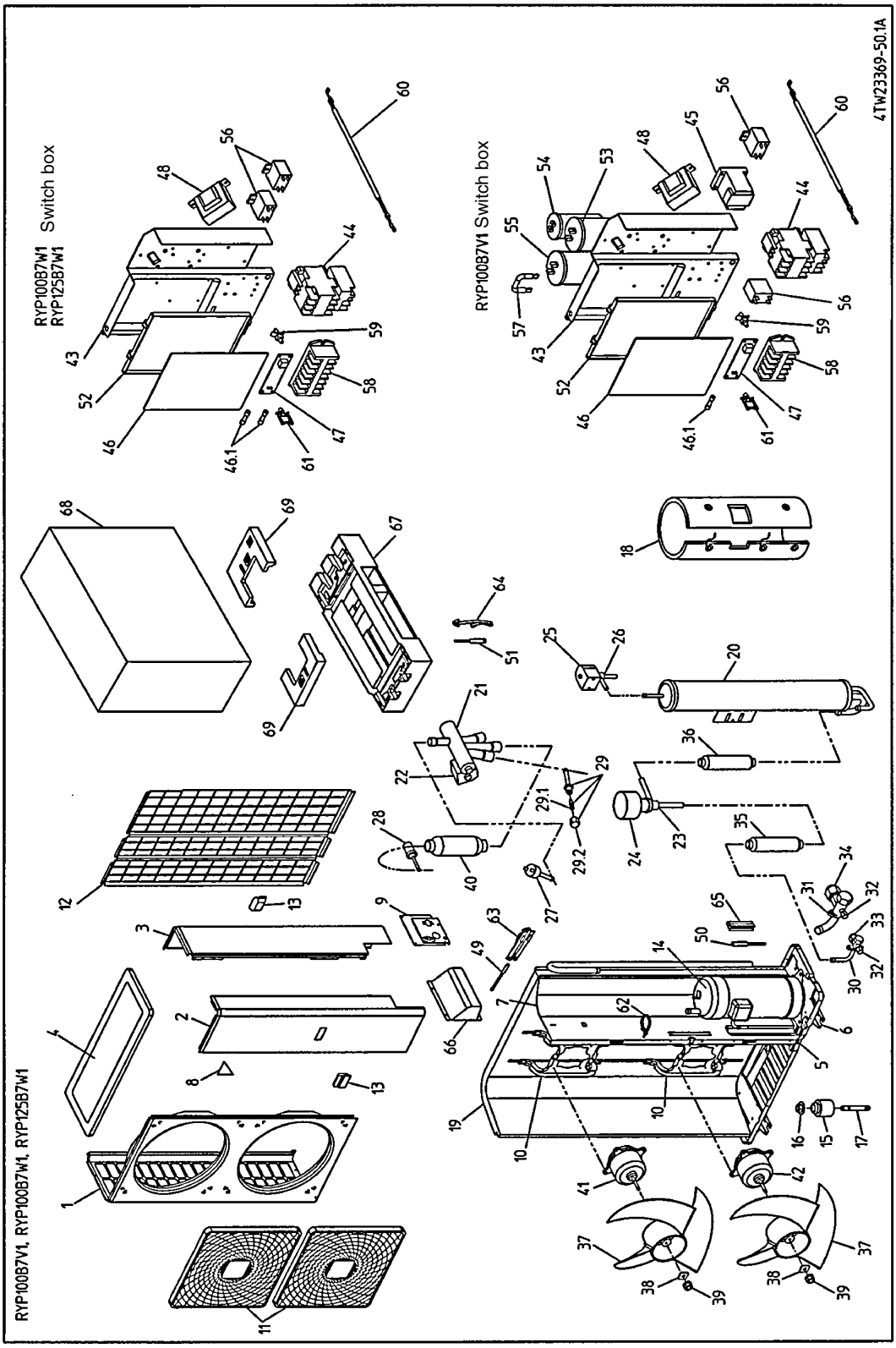
The table below contains the components of the exploded view.

No.	Component	No.	Component
1	Front plate 1	34	Fan propeller
2	Front plate 2	35	Washer
3	Side plate	36	Nut with washer
4	Top plate assy	37	Receiver
5	Bottom frame assy	38	Fan motor
6	Fixation leg	39	Fan motor
7	Partition plate assy	40	Switch box body
8	DAIKIN name plate	41	Magnetic contactor + OC
9	Stop valve mounting plate	42	Starting relay
10	Fan motor base	43	PCB assy
11	Air discharge grille	43.1	Glass tube fuse
12	Air suction grille	44	PCB assy
13	Handle	45	Transformer
14	Compressor scroll	46	Air thermistor
15	Rubber cushion pre-assy	47	Heat exchanger thermistor
16	Nut with washer	48	Discharge thermistor
17	Bolt for compressor	49	Resin PCB support
18	Compressor sound absorber	50	Running capacitor compressor
19	Heat exchanger assy	51	Running capacitor compressor
20	Motorized expansion valve	52	Start capacitor compressor
21	Coil of motor valve	53	Capacitor fan motor
22	Solenoid valve coil	54	Resistor assy
23	Solenoid valve	55	Terminal strip
24	High-pressure switch	56	Locking card spacer
25	Low-pressure switch	57	Compressor cable assy
26	Charge valve	58	Compressor cable assy
26.1	Valve core (service port)	59	Clamp for harness
26.2	Blind cap (service port)	60	Thermistor fixing plate
27	Stop valve assy	61	Thermistor mounting spring
28	Stop valve assy	62	Thermistor mounting spring
29	Service cap	63	Stop valve cover
30	Flare nut	64	Bottom tray assy
31	Flare nut	65	Packing case shell
32	Filter	66	Packing cushion assy
33	Filter	—	

1.11 RYP100B7V1, RYP100B7W1 and RYP125B7W1

Exploded view

The illustration below shows the exploded view.



Components

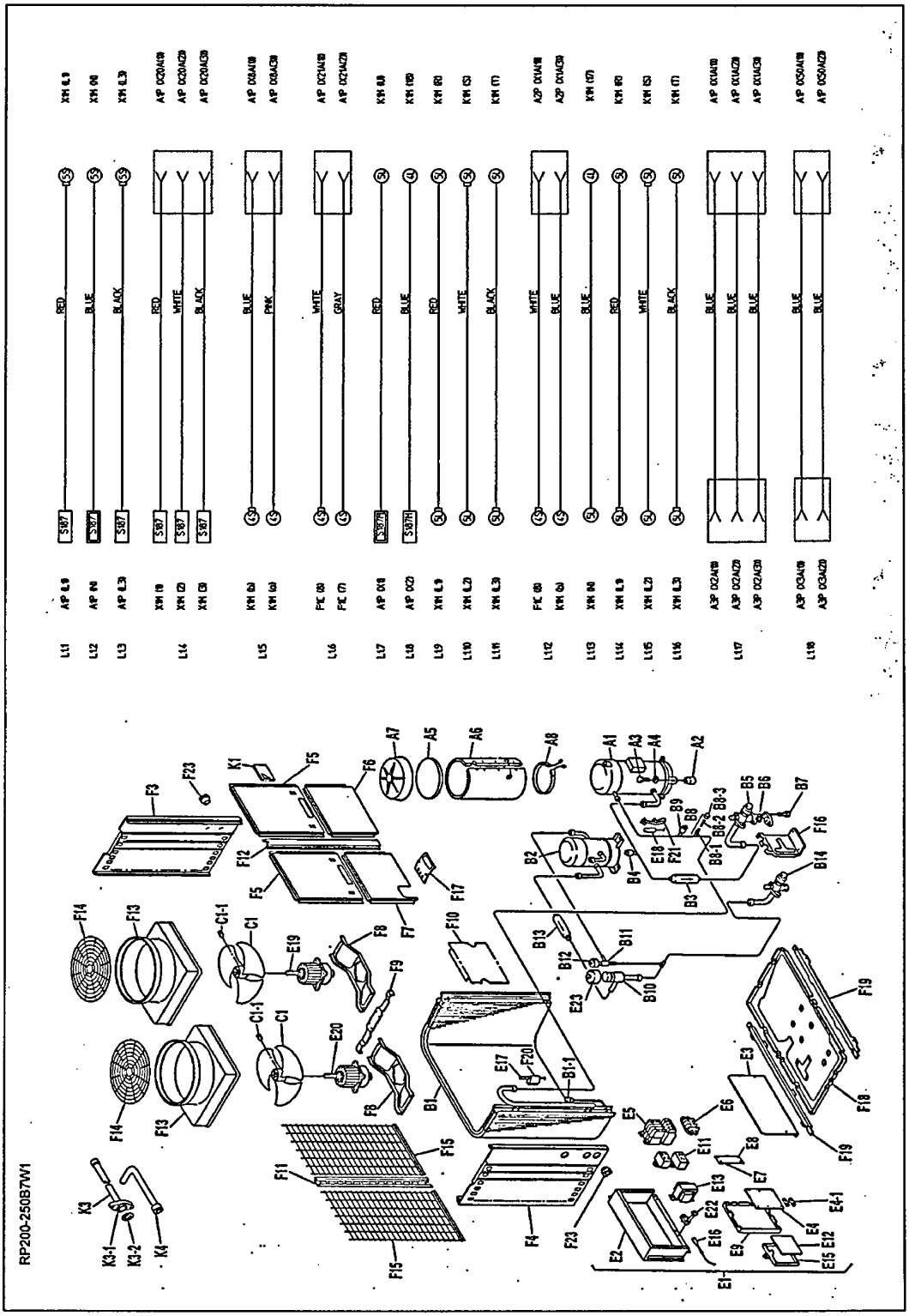
The table below contains the components of the exploded view.

No.	Component	No.	Component
1	Front plate 1	35	Filter
2	Front plate 2	36	Filter
3	Side plate	37	Fan propeller
4	Top plate assy	38	Washer
5	Bottom frame assy	39	Nut with washer
6	Fixation leg	40	Filter
7	Partition plate assy	41	Fan motor
8	DAIKIN name plate	42	Fan motor
9	Stop valve mounting plate	43	Switch box body
10	Fan motor base	44	Magnetic contactor + OC
11	Air discharge grille	45	Starting relay
12	Air suction grille	46	PCB assy
13	Handle	46.1	Glass tube fuse
14	Compressor scroll	47	PCB assy
15	Rubber cushion pre-assy	48	Transformer
16	Nut with washer	49	Air thermistor
17	Bolt for compressor	50	Heat exchanger thermistor
18	Compressor sound absorber	51	Discharge thermistor
19	Heat exchanger	52	Resin PCB support
20	Receiver	53	Running capacitor compressor
21	4-way valve	54	Running capacitor compressor
22	Coil 4-way valve	55	Start capacitor compressor
23	Motor valve body	56	Capacitor fan motor
24	Coil of motor valve	57	Resistor assy
25	Solenoid valve coil	58	Terminal strip
26	Solenoid valve	59	Locking card spacer
27	High-pressure switch	60	Compressor cable assy
28	Low-pressure switch	61	Cable holders
29	Charge valve	62	Clamp for harness
29.1	Valve core (service port)	63	Thermistor fixing plate
29.2	Blind cap (service port)	64	Thermistor mounting spring
30	Stop valve assy	65	Thermistor mounting spring
31	Stop valve assy	66	Stop valve cover
32	Service cap	67	Bottom tray assy
33	Flare nut	68	Packing case shell
34	Flare nut	69	Packing cushion assy

1.12 RP200B7W1 and RP250B7W1

Exploded view

The illustration below shows the exploded view.



Components

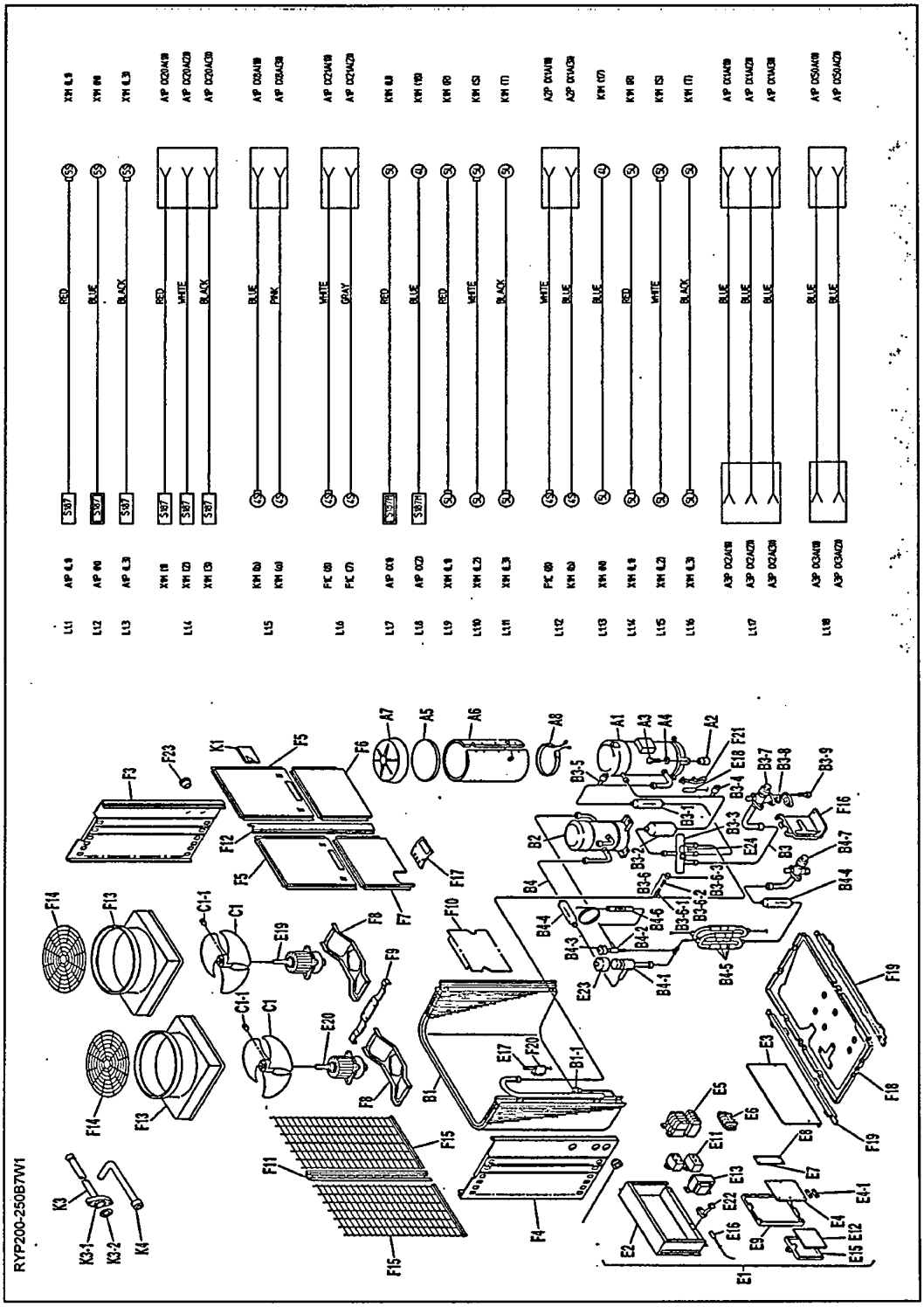
The table below contains the components of the exploded view.

No.	Component	No.	Component
A1	Compressor	E20	Fan motor
A2	Rubber cushion pre-assy	E22	Thermistor clamp
A3	Hexagon bolt	E23	Coil motorized valve
A4	Round plain washer for wood	F3	Side plate right
A5	Insulation cover	F4	Side plate left
A6	Head cover	F5	Front plate upper
A7	Insulation cover	F6	Front plate lower
A8	Crankcase heater	F7	Front plate lower
B1	Heat exchanger assy	F8	Fan motor base
B1.1	Distributor assy	F9	Upper stay
B2	Liquid receiver assy	F10	Bypass prevention plate
B3	Filter	F11	Support rear
B4	Low-pressure switch	F12	Support front
B5	Stop valve assy	F13	Top plate air outlet
B6	Packing for flange	F14	Discharge grille
B7	Hexagon bolt	F15	Suction grille
B8	Check valve	F16	Stop valve mounting plate assy
B8.1	Fitting body	F17	Cover
B8.2	Valve core	F18	Bottom plate (sheet metal)
B8.3	Service port	F19	Foundation leg
B9	High-pressure switch	F20	Thermistor mounting spring
B10	Motor operated valve body	F21	Thermistor mounting spring
B11	Solenoid valve body	F23	Trough hole cover
B12	Solenoid valve coil	K1	DAIKIN name plate
B13	Filter	K3	Supplied pip (gas side)
B14	Stop valve assy	K3.1	Mating flange
C1	Fan blade assy	K3.2	Packing for flange
C1.1	Set screw	K4	Supplied pipe (gas side)
E1	Switch box assy	L1.1	Wire harness
E2	Switch box main body	L1.2	
E3	Switch box cover assy	L1.3	
E4	PCB assy	L1.4	
E4.1	Glass tube fuse	L1.5	
E5	Magnetic contactor / Electromagnetic switch	L1.6	
E6	Terminal and cover	L1.7	
E7	PCB assy	L1.8	
E8	Locking guard spacer	L1.9	
E9	Resin PCB support	L1.10	
E11	Capacitor	L1.11	
E12	PCB assy	L1.12	
E13	Power supply transformer	L1.13	
E15	Power supply fixing case	L1.14	
E16	Air thermistor	L1.15	
E17	Heat exchanger thermistor	L1.16	
E18	Discharge thermistor	L1.17	
E19	Fan motor	L1.18	

1.13 RYP200B7W1 and RYP250B7W1

Exploded view

The illustration below shows the exploded view.



Components

The table below contains the components of the exploded view.

No.	Component	No.	Component
A1	Compressor	E18	Discharge thermistor
A2	Rubber cushion pre-assy	E19	Fan motor
A3	Hexagon bolt	E20	Fan motor
A4	Round plain washer for wood	E22	Thermistor clamp
A5	Insulation cover	E23	Coil motorized valve
A6	Head cover	E24	4-way valve coil assy
A7	Insulation cover	F3	Side plate right
A8	Crankcase heater	F4	Side plate left
B1	Heat exchanger assy	F5	Front plate upper
B1.1	Distributor assy	F6	Front plate lower
B2	Liquid receiver assy	F7	Front plate lower
B3	4-way valve assy	F8	Fan motor base
B3.1	Filter	F9	Upper stay
B3.2	Muffler	F10	Bypass prevention plate
B3.3	4-way valve body	F11	Support rear
B3.4	High-pressure switch	F12	Support front
B3.5	Low-pressure switch	F13	Top plate air outlet
B3.6	Check valve	F14	Discharge grille
B3.6.1	Fitting body	F15	Suction grille
B3.6.2	Valve core	F16	Stop valve mounting plate assy
B3.6.3	Service port	F17	Cover
B3.7	Stop valve assy	F18	Bottom plate (sheet metal)
B3.8	Packing for flange	F19	Foundation leg
B3.9	Hexagon bolt	F20	Thermistor mounting spring
B4	Motor operated valve assy	F21	Thermistor mounting spring
B4.1	Motor operated valve body	F23	Trough hole cover
B4.2	Solenoid valve	K1	DAIKIN name plate
B4.3	Solenoid valve coil assy	K3	Supplied pipe (gas side)
B4.4	Filter	K3.1	Mating flange
B4.5	Check valve	K3.2	Packing for flange
B4.6	Check valve	K4	Supplied pipe (gas side)
B4.7	Stop valve assy	L1.1	Wire harness
C1	Fan blade assy	L1.2	
C1.1	Set screw	L1.3	
E1	Switch box assy	L1.4	
E2	Switch box main body	L1.5	
E3	Switch box cover assy	L1.6	
E4	PCB assy	L1.7	
E4.1	Glass tube fuse	L1.8	
E5	Magnetic contactor / Electromagnetic switch	L1.9	
E6	Terminal and cover	L1.10	
E7	PCB assy	L1.11	
E8	Locking guard spacer	L1.12	
E9	Resin PCB support	L1.13	
E11	Capacitor	L1.14	
E12	PCB assy	L1.15	
E13	Power supply transformer	L1.16	
E15	Power supply fixing case	L1.17	
E16	Air thermistor	L1.18	
E17	Heat exchanger thermistor	—	

5

2 Disassembly and Maintenance: Indoor Units

2.1 What Is in This Chapter?

Introduction

This chapter contains the following information on the indoor units:

- Exploded views
- Components.

Overview

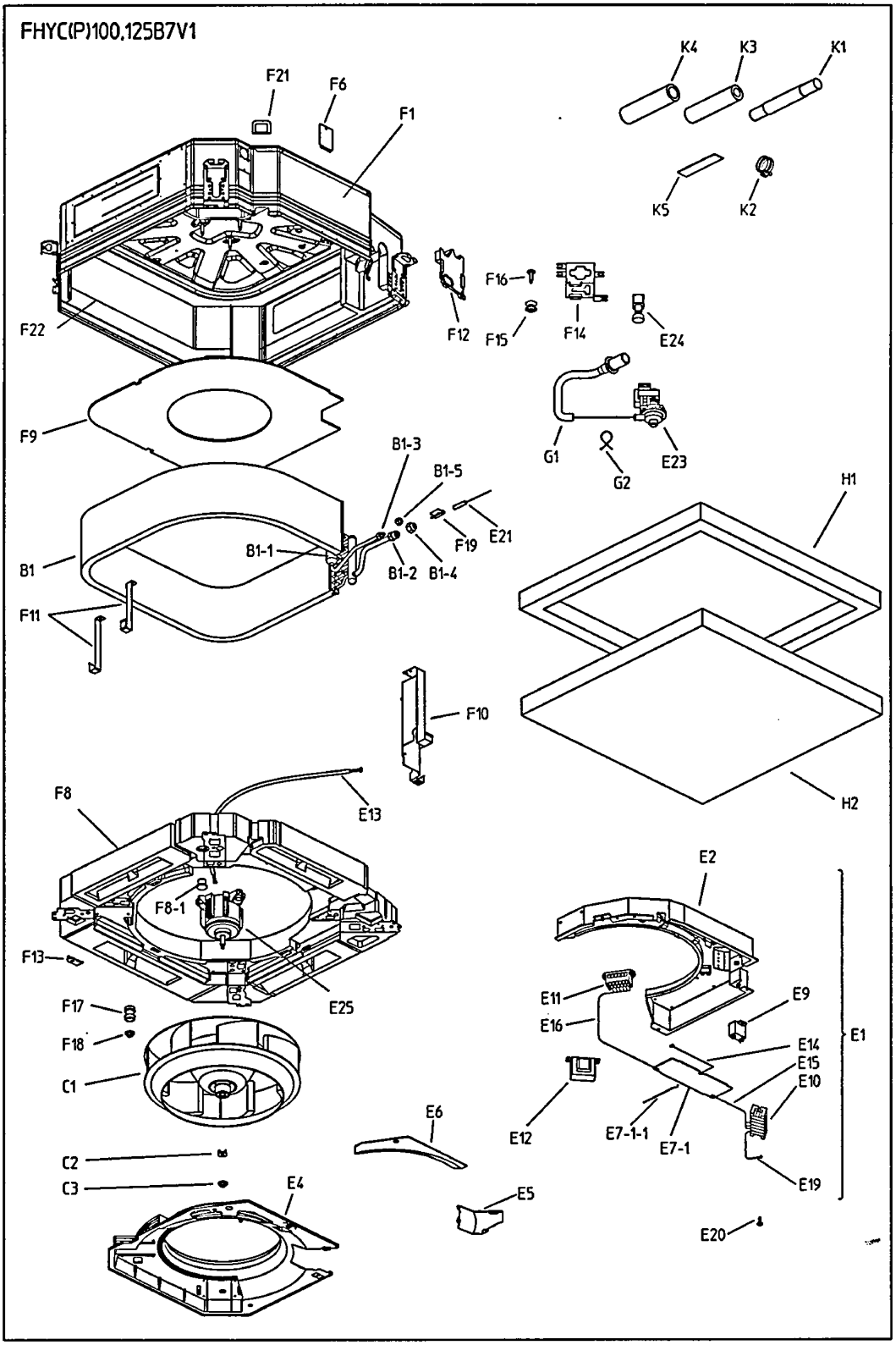
This chapter contains the following topics:

Topic	See page
2.2–FHC35BZ7V1, FHC45BZ7V1, FHC60BZ7V1, FHYC35BZ7V1, FHYC45BZ7V1, FHYCP35B7V1, FHYCP45B7V1, FHYCP60B7V1 and FHYCP71B7V1	5–30
2.3–FHYBP35B7V1 and FHYBP45B7V1	5–32
2.4–FHYBP60B7V1 and FHYBP71B7V1	5–34
2.5–FHYBP100B7V1 and FHYBP125B7V1	5–36
2.6–FDYP125B7V1, FDYP200B7V1 and FDYP250B7V1	5–38
2.7–FHYC71BZV1, FHYC100BZV1 and FHYC125BZV1	5–40
2.8–FH35BZV1, FH45BZV1, FHYP35BV1 and FHYP45BV1	5–42
2.9–FH60BZV1, FHYP60BV1 and FHYP71BV1	5–44
2.10–FHK35BZV1, FHK45BZV1, FHK60BZV1, FHYKP35BV1, FHYKP45BV1, FHYKP60BV1 and FHYKP71BV1	5–46
2.11–FHYP100BV1 and FHYP125BV1	5–48
2.12–FUYP71BV17	5–50
2.13–FUYP100BV17 and FUYP125BV17	5–52
2.14–FAYP71BV1 and FAYP100BV1	5–54

2.2 FHC35BZ7V1, FHC45BZ7V1, FHC60BZ7V1, FHYC35BZ7V1, FHYC45BZ7V1, FHYCP35B7V1, FHYCP45B7V1, FHYCP60B7V1 and FHYCP71B7V1

Exploded view

The illustration below shows the exploded view.



Components

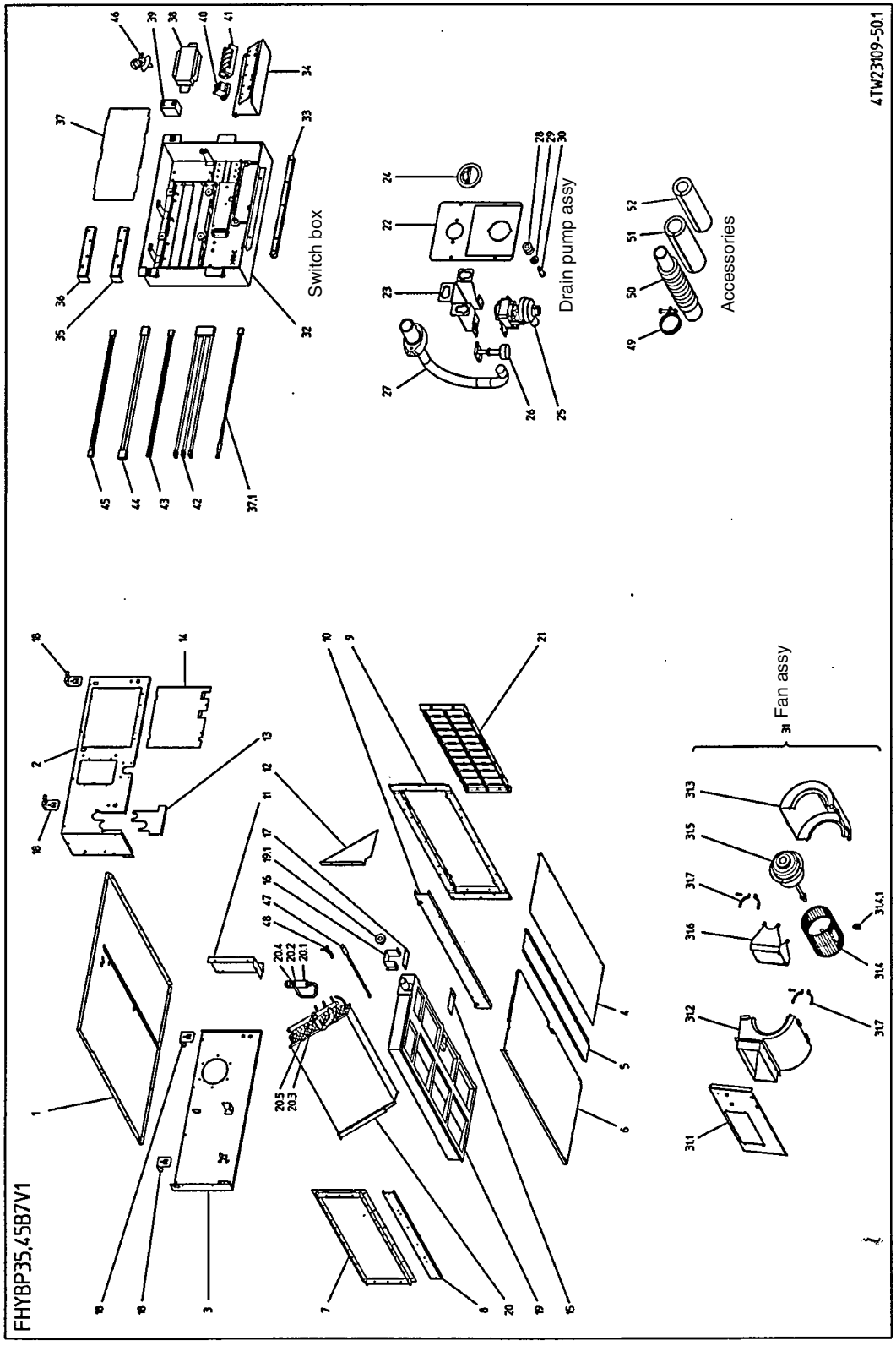
The table below contains the components of the exploded view.

No.	Component	No.	Component
B1	Heat exchanger assy	E24	Float switch
B1.1	Distributor with filter	E25	Fan motor
B1.2	Single union joint	F1	Casing assy
B1.3	Single union joint	F6	Inspection cover assy
B1.4	Flare nut	F8	Drain pan assy
B1.5	Flare nut	F8.1	Drain plug
C1	Fan rotor (turbo)	F9	Sound absorbing material
C2	Lock washer	F10	Heat exchanger blind plate assy
C3	Nut with washer	F11	Heat exchanger mounting plate
E1	Switch box assy	F12	Hold plate assy
E2	Switch box body	F13	Panel mounting plate
E4	Bell mouth	F14	Drain pump mounting plate
E5	Switch box cover assy 1	F15	Vibration isolator
E6	Switch box cover 2	F16	Hexagon mounting bolt
E7.1	PCB assy	F17	Vibration isolator
E7.1.1	Air thermistor	F18	Nut with washer
E9	Capacitor	F19	Feeler bulb clamp
E10	Terminal	F21	Rubber bush
E11	Terminal block	F22	Inner heat insulator
E12	Power supply transformer	G1	Drain hose
E13	Wire harness	G2	Hose band
E14	Wire harness	H1	Top tray assy
E15	Wire harness	H2	Bottom tray assy
E16	Wire harness	K1	Drain hose assy
E19	Grounding wire	K2	Hose band
E20	Grounding screw	K3	Insulation for joint (liquid)
E21	Thermistor (liquid)	K4	Insulation for joint (gas)
E23	Drain pump	K5	Sealing material

2.3 FHYBP35B7V1 and FHYBP45B7V1

Exploded view

The illustration below shows the exploded view.



5

Components

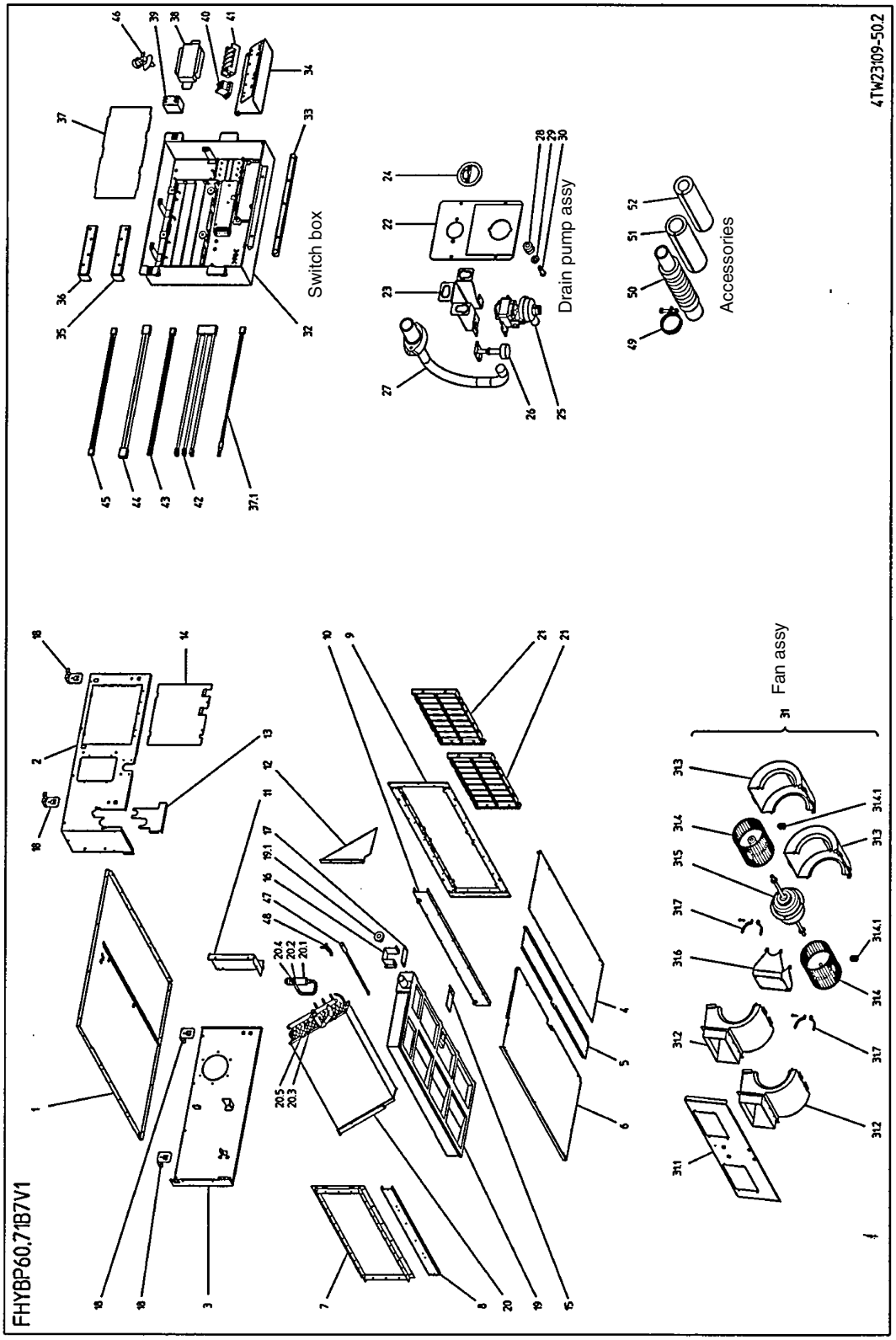
The table below contains the components of the exploded view.

No.	Component	No.	Component
1	Top plate assy	31.1	Fan top plate
2	Right plate assy	31.2	Fan housing bottom
3	Left plate assy	31.3	Fan housing top
4	Interchangeable plate	31.4	Rotor assy
5	Small bottom plate	31.4.1	Hexagon socket screw
6	Large bottom plate	31.5	Fan motor
7	Air outlet flange	31.6	Fan motor stand
8	Center stay assy	31.7	Motor fixing plate assy
9	Air filter holding plate assy	31.8	Rotor assy
10	Stay for fan top panel assy	31.8.1	Hexagon socket screw
11	Fan side blind plate assy	31.9	Shaft assy
12	Cooler side blind plate assy	31.10	Coupling
13	Pipe setting plate assy	31.11	Vibro proof rubber assy
14	Swtich box cover assy	31.12	Bearing board
15	Drain pan setting plate	31.13	Bearing fixing plate
16	Drain socket cover assy 1	32	Switch box body
17	Drain socket cover assy 2	33	Switch box fixing plate
18	Suspension bracket	34	Terminal fixing plate
19	Drain pan assy	35	Option fixing plate left
19.1	Drain socket cap	36	Option fixing plate right
20	Heat exchanger assy	37	PCB assy
20.1	Distributor with filter assy	37.1	Air thermistor
20.2	Single union joint	38	Power supply transformer
20.3	Single union joint	39	Fan motor capacitor
20.4	Flare nut	40	Terminal for remote control
20.5	Flare nut	41	Terminal for power supply
21	Air filter assy	42	Wire harness
22	Service cover assy	43	Wire harness
23	Drain pump fixing plate	44	Wire harness
24	Service cover cap assy	45	Wire harness
25	Drain pump	46	Tie wrap with clip
26	Float switch	47	Thermistor (liquid)
27	Drain hose assy	48	Thermistor fixing blade
28	Vibration absorber	49	Metal clamp
29	Plain washer	50	Drain hose
30	Fitting bolt drain pump	51	Insulation for joint (gas)
31	Fan assy	52	Insulation for joint (liquid)

2.4 FHYBP60B7V1 and FHYBP71B7V1

Exploded view

The illustration below shows the exploded view.



Components

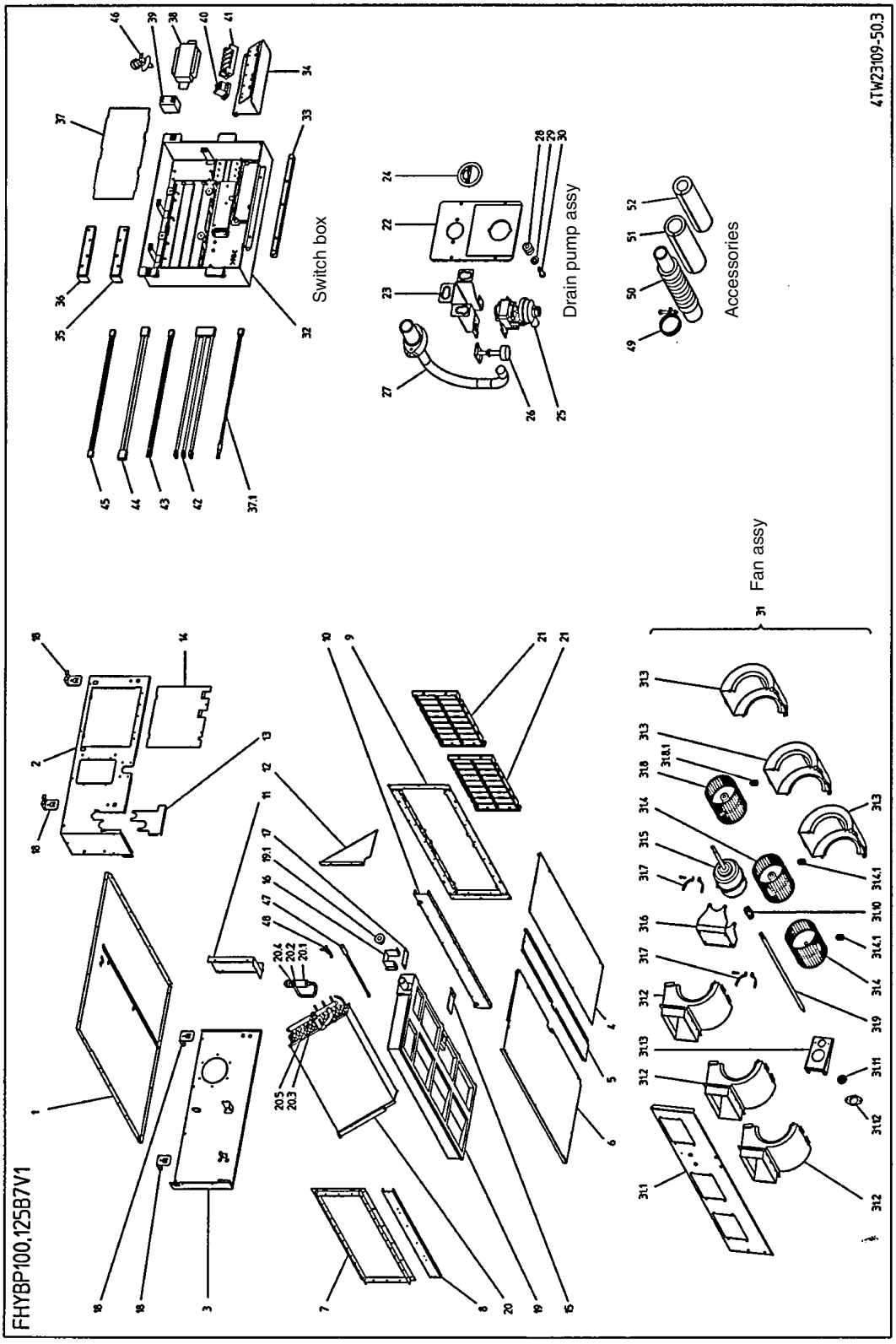
The table below contains the components of the exploded view.

No.	Component	No.	Component
1	Top plate assy	31.1	Fan top plate
2	Right plate assy	31.2	Fan housing bottom
3	Left plate assy	31.3	Fan housing top
4	Interchangeable plate	31.4	Rotor assy
5	Small bottom plate	31.4.1	Hexagon socket screw
6	Large bottom plate	31.5	Fan motor
7	Air outlet flange	31.6	Fan motor stand
8	Center stay assy	31.7	Motor fixing plate assy
9	Air filter holding plate assy	31.8	Rotor assy
10	Stay for fan top panel assy	31.8.1	Hexagon socket screw
11	Fan side blind plate assy	31.9	Shaft assy
12	Cooler side blind plate assy	31.10	Coupling
13	Pipe setting plate assy	31.11	Vibro proof rubber assy
14	Swtich box cover assy	31.12	Bearing board
15	Drain pan setting plate	31.13	Bearing fixing plate
16	Drain socket cover assy 1	32	Switch box body
17	Drain socket cover assy 2	33	Switch box fixing plate
18	Suspension bracket	34	Terminal fixing plate
19	Drain pan assy	35	Option fixing plate left
19.1	Drain socket cap	36	Option fixing plate right
20	Heat exchanger assy	37	PCB assy
20.1	Distributor with filter assy	37.1	Air thermistor
20.2	Single union joint	38	Power supply transformer
20.3	Single union joint	39	Fan motor capacitor
20.4	Flare nut	40	Terminal for remote control
20.5	Flare nut	41	Terminal for power supply
21	Air filter assy	42	Wire harness
22	Service cover assy	43	Wire harness
23	Drain pump fixing plate	44	Wire harness
24	Service cover cap assy	45	Wire harness
25	Drain pump	46	Tie wrap with clip
26	Float switch	47	Thermistor (liquid)
27	Drain hose assy	48	Thermistor fixing blade
28	Vibration absorber	49	Metal clamp
29	Plain washer	50	Drain hose
30	Fitting bolt drain pump	51	Insulation for joint (gas)
31	Fan assy	52	Insulation for joint (liquid)

2.5 FHYBP100B7V1 and FHYBP125B7V1

Exploded view

The illustration below shows the exploded view.



Components

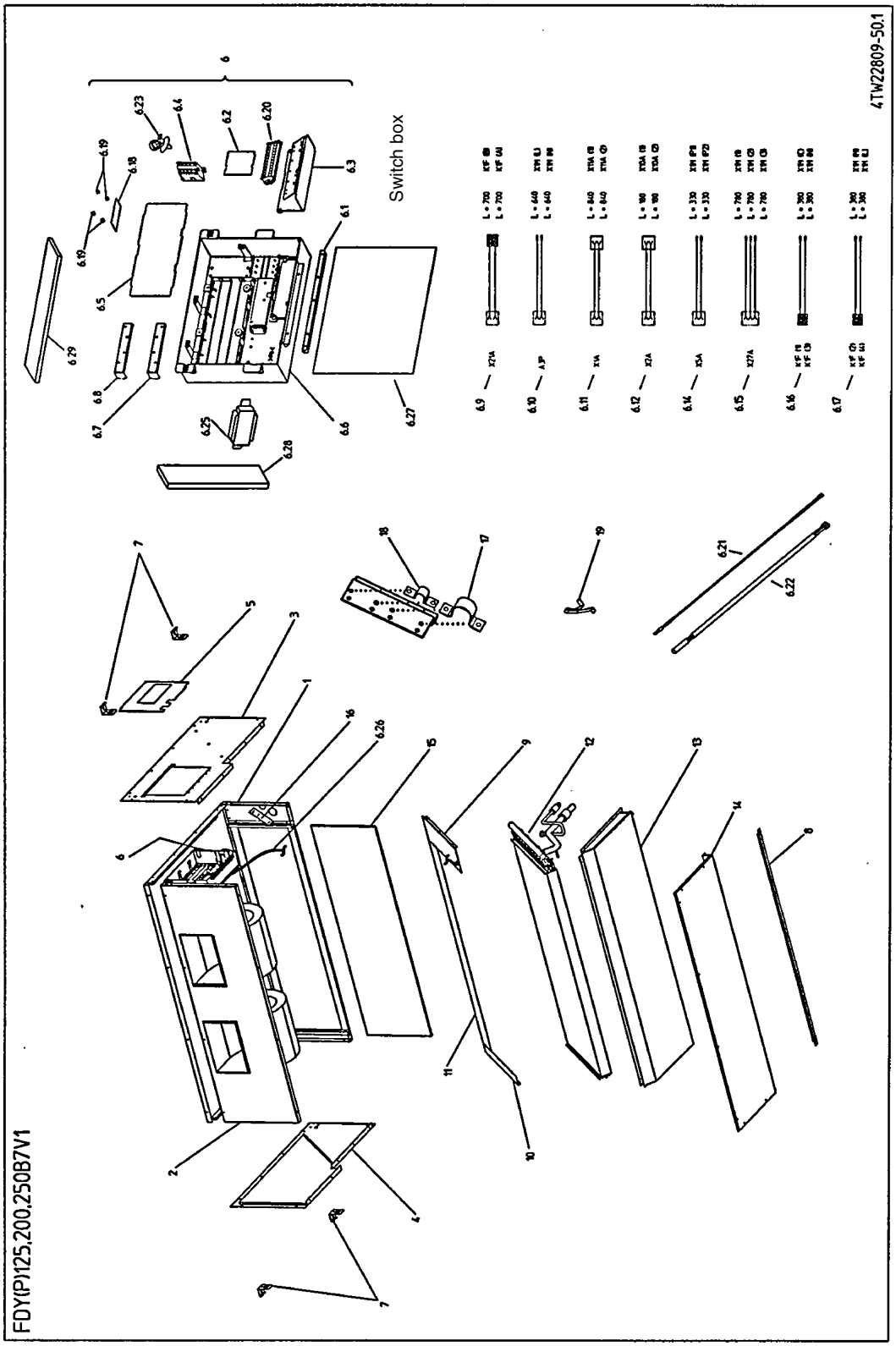
The table below contains the components of the exploded view.

No.	Component	No.	Component
1	Top plate assy	31.1	Fan top plate
2	Right plate assy	31.2	Fan housing bottom
3	Left plate assy	31.3	Fan housing top
4	Interchangeable plate	31.4	Rotor assy
5	Small bottom plate	31.4.1	Hexagon socket screw
6	Large bottom plate	31.5	Fan motor
7	Air outlet flange	31.6	Fan motor stand
8	Center stay assy	31.7	Motor fixing plate assy
9	Air filter holding plate assy	31.8	Rotor assy
10	Stay for fan top panel assy	31.8.1	Hexagon socket screw
11	Fan side blind plate assy	31.9	Shaft assy
12	Cooler side blind plate assy	31.10	Coupling
13	Pipe setting plate assy	31.11	Vibro proof rubber assy
14	Swtich box cover assy	31.12	Bearing board
15	Drain pan setting plate	31.13	Bearing fixing plate
16	Drain socket cover assy 1	32	Switch box body
17	Drain socket cover assy 2	33	Switch box fixing plate
18	Suspension bracket	34	Terminal fixing plate
19	Drain pan assy	35	Option fixing plate left
19.1	Drain socket cap	36	Option fixing plate right
20	Heat exchanger assy	37	PCB assy
20.1	Distributor with filter assy	37.1	Air thermistor
20.2	Single union joint	38	Power supply transformer
20.3	Single union joint	39	Fan motor capacitor
20.4	Flare nut	40	Terminal for remote control
20.5	Flare nut	41	Terminal for power supply
21	Air filter assy	42	Wire harness
22	Service cover assy	43	Wire harness
23	Drain pump fixing plate	44	Wire harness
24	Service cover cap assy	45	Wire harness
25	Drain pump	46	Tie wrap with clip
26	Float switch	47	Thermistor (liquid)
27	Drain hose assy	48	Thermistor fixing blade
28	Vibration absorber	49	Metal clamp
29	Plain washer	50	Drain hose
30	Fitting bolt drain pump	51	Insulation for joint (gas)
31	Fan assy	52	Insulation for joint (liquid)

2.6 FDYP125B7V1, FDYP200B7V1 and FDYP250B7V1

Exploded view

The illustration below shows the exploded view.



Components

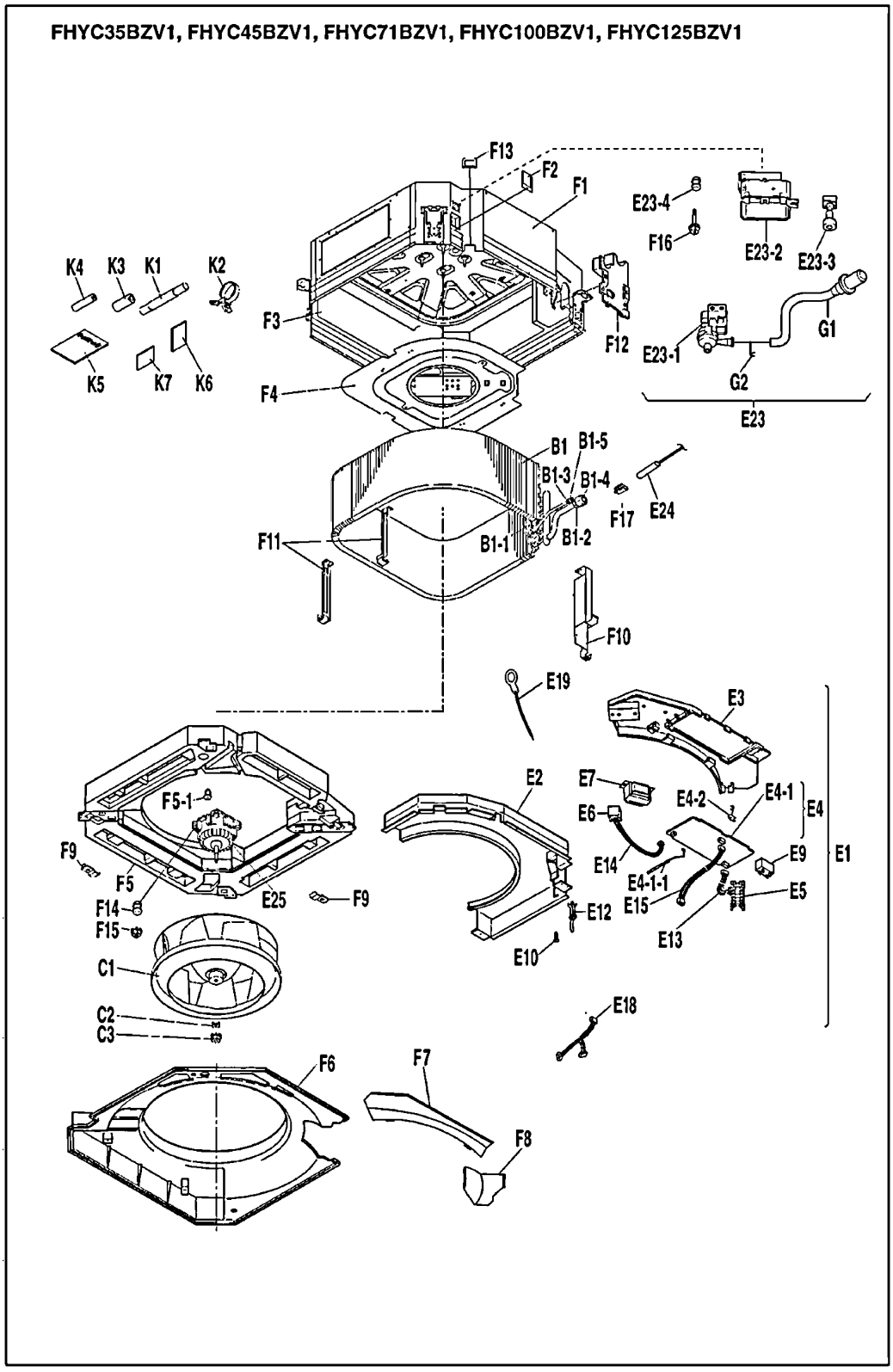
The table below contains the components of the exploded view.

No.	Component	No.	Component
1	Top plate assy	6.20	Terminal strip
2	Fan assy + fan mounting plate	6.21	Thermistor
3	Side plate right	6.22	Thermistor
4	Side plate left	6.23	Tie wrap with clip
5	Service cover assy	6.24	PCB assy
6	Switch box assy	6.25	Power supply transformer
6.1	Switch box fixing plate	6.26	Grounding wire
6.2	PCB assy power supply	6.27	Insulation switch box
6.3	Terminal fixing plate	6.28	Insulation switch box
6.4	Magnetic contactor	6.29	Insulation switch box
6.5	PCB assy	7	Hook
6.6	Switch box body	8	Filter cover
6.7	Option fixing plate left	9	Fixture heat exchanger right
6.8	Option fixing plate right	10	Fixture heat exchanger left
6.9	Wire harness	11	Bypass sealing plate
6.10	Wire harness	12	Heat exchanger assy
6.11	Wire harness power supply	13	Drain pan assy
6.12	Wire harness power supply	14	Bottom plate assy
6.14	Wire harness	15	Air filter
6.15	Wire harness	16	Pipe fixing plate
6.16	Wire harness	17	Clamp
6.17	Wire harness	18	Clamp
6.18	PCB assy	19	Thermistor (fixing)
6.19	Locking guard spacer	—	

2.7 FHYC71BZV1, FHYC100BZV1 and FHYC125BZV1

Exploded view

The illustration below shows the exploded view.



Components

The table below contains the components of the exploded view.

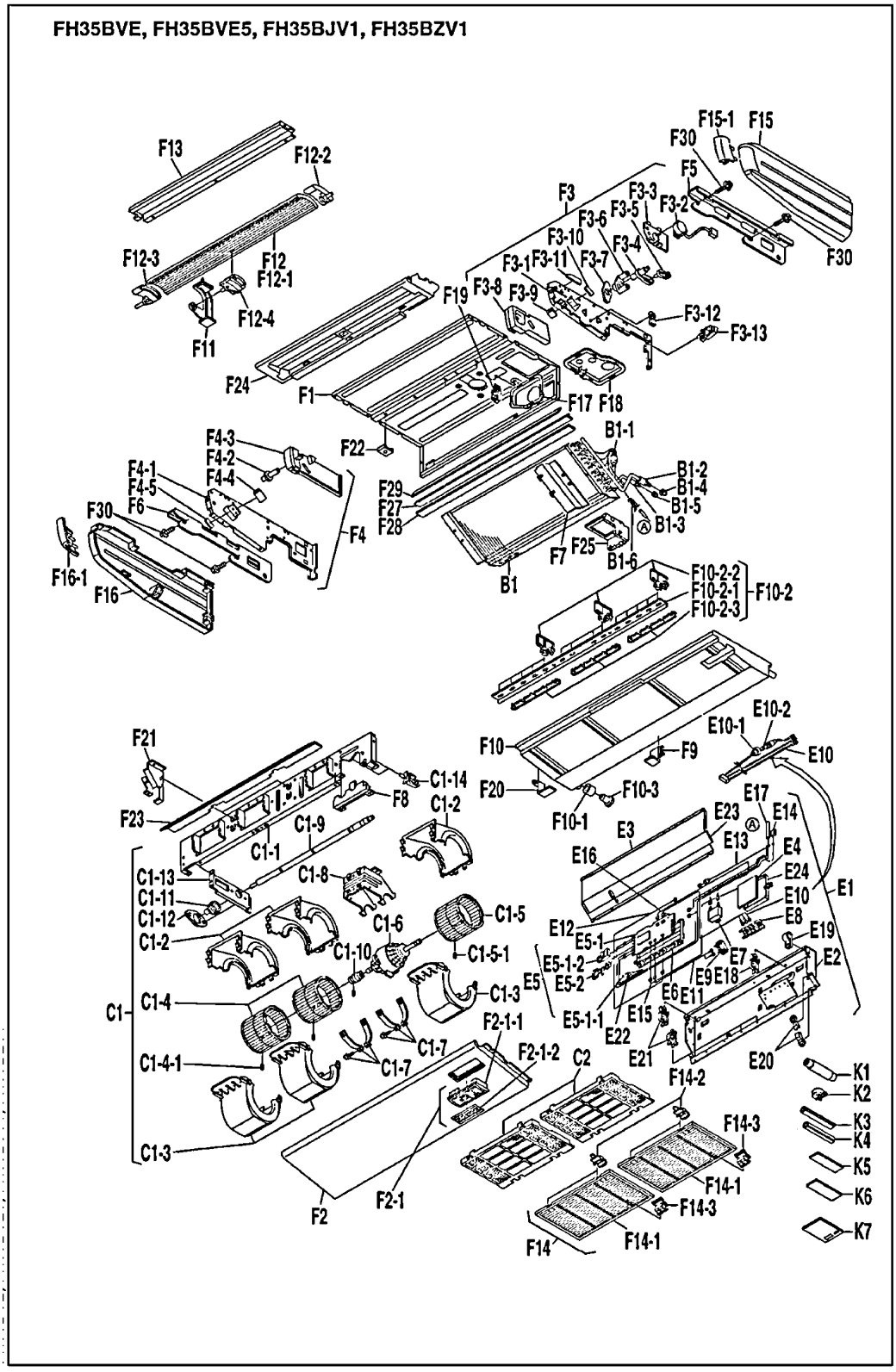
No.	Component	No.	Component
B1	Evaporator assy	E24	Heat exchanger thermistor
B1.1	Distributor with strainer	E25	Fan motor
B1.2	Union joint (gas line)	F1	Casing frame assy
B1.3	Union joint (liquid line)	F2	Cover inspection window
B1.4	Flare nut	F3	Heat insulation cover assy
B1.5	Flare nut	F4	Top flat plate
C1	Fan rotor (turbo)	F5	Drain pan assy
C2	Lock washer	F5.1	Drain plug
C3	Hexagon lock nut	F6	Bell mouth
E1	Electric component assy	F7	Cover switch box
E2	Switch box	F8	Cover switch box
E3	Set plate electric devices	F9	Fixture panel
E4	Printed circuit	F10	Blind plate heat exchanger
E4.1	Printed circuit	F11	Set plate heat exchanger
E4.1.1	Air thermistor	F12	Retainer piping
E4.2	Adaptor (capacity control)	F13	Rubber bush
E5	Terminal block	F14	Vibration isolator fan motor
E6	Terminal block	F15	Flange nut
E7	Power transformer	F16	Set bolt drain pump
E9	Capacitor	F17	Fixture feeler
E10	Tapping screw	F20	Bolts and nuts list
E12	Tie wrap	G1	Drain hose assy
E13	Wire harness	G2	Hose band
E14	Wire harness	K1	Drain hose assy
E15	Wire harness	K2	Hose band
E18	Wire harness	K3	Insulation tube (gas line)
E19	Grounding terminal	K4	Insulation tube (liquid line)
E23	Drain pump assy	K5	Operation manual
E23.1	Drain pump	K6	Sealer drain hose
E23.2	Set plate drain pump	K7	Sealer drain hose
E23.3	Float switch	—	
E23.4	Vibration isolator drain pump		

2.8 FH35BZV1, FH45BZV1, FHYP35BV1 and FHYP45BV1

Exploded view

The illustration below shows the exploded view.

FH35BVE, FH35BVE5, FH35BJV1, FH35BZV1



Components The table below contains the components of the exploded view.

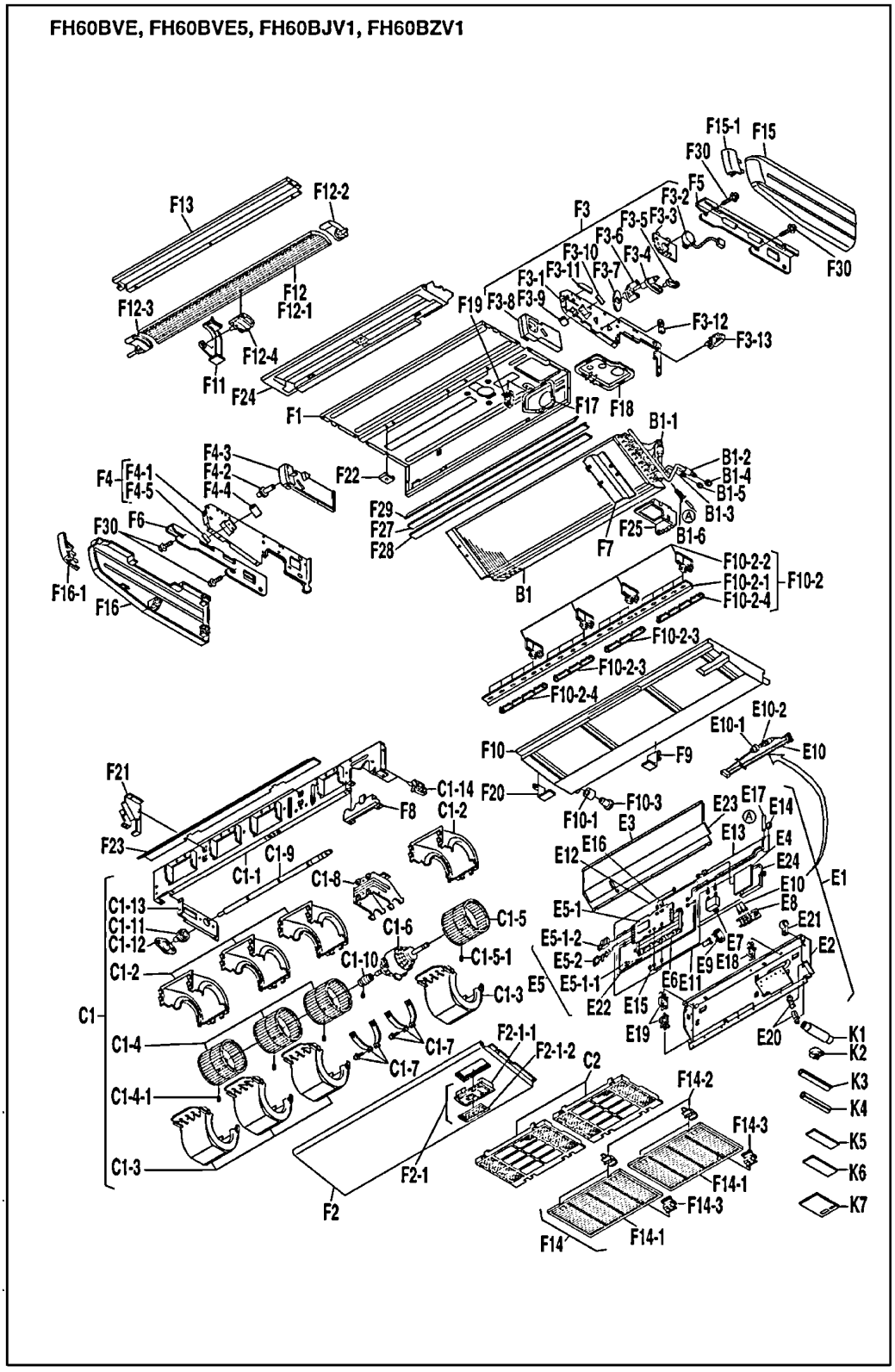
No.	Component	No.	Component	No.	Component
B1	Evaporator assy	E12	Wire harness (feed back)	F9	Set plate drain pan
B1.1	Distributor	E13	Wire harness (fan motor)	F10	Drain pan assy
B1.2	Union joint (gas line)	E14	Wire harness (swing motor)	F10.1	Insulation tube
B1.3	Union joint (liquid line)	E15	Wire harness (power unit)	F10.2	Vertical vane air discharge
B1.4	Flare nut	E16	Wire harness (power unit)	F10.2.1	Set plate vertical vane
B1.5	Flare nut	E17	Thermistor	F10.2.2	Vertical vane air discharge
B1.6	Retainer thermistor	E18	Wire clip	F10.2.3	Connecting bar vertical vane
C1	Fan assy	E19	Clamp	F10.3	Cap drain socket
C1.1	Top plate fan assy	E20	Lock metal	F11	Supporter
C1.2	Fan housing	E21	Wire clip	F12	Horizontal vane assy
C1.3	Fan housing	E22	Bush thermistor	F12.1	Horizontal vane
C1.4	Fan rotor	E23	Sound absorbing material	F12.2	Rod horizontal vane
C1.4.1	Hexagon socket screw	E24	Housing power unit	F12.3	Rod horizontal vane
C1.5	Fan rotor	F1	Top plate assy	F12.4	Rod horizontal vane
C1.5.1	Hexagon socket screw	F2	Bottom plate assy	F13	Decorative plate
C1.6	Fan motor	F2.1	Name plate assy	F14	Air suction grille assy
C1.7	Lock metal fan motor	F2.1.1	Housing signal receiver	F14.1	Air suction grille
C1.8	Motor base	F2.1.2	DAIKIN name plate	F14.2	Fixture air suction grille
C1.9	Fan shaft	F3	Side plate assy (right)	F14.3	Hinge air suction grille
C1.10	Coupling fan shaft	F3.1	Side plate (right)	F15	Side plate assy
C1.11	Fan bearing	F3.2	Swing motor assy	F15.1	Cover side plate
C1.12	Bearing holder	F3.3	Set plate swing motor	F16	Side plate (left)
C1.13	Set plate bearing holder	F3.4	Connecting arm horizontal vane	F17	Blind plate piping hole
C1.14	Wire clip	F3.5	Crank air swing	F18	Blind plate piping hole
C2	Air filter	F3.6	Bearing horizontal vane	F19	Wire clip
E1	Electric components assy	F3.7	Heat insulation material	F20	Set plate drain pan
E2	Switch box	F3.8	Heat insulation material	F21	Supporter fan
E3	Cover switch box	F3.9	Heat insulation material	F22	Retainer
E4	Printed circuit (power unit)	F3.10	Sealer	F23	Air guide plate
E5	Printed circuit	F3.11	Sealer	F24	Heat insulation cover top plate
E5.1	Printed circuit (control unit)	F3.12	Lock metal	F25	Insulation cover piping hole
E5.1.1	Air thermistor	F3.13	Wire clip	F27	Protector heat exchanger
E5.1.2	Connector	F4	Side plate assy	F28	Heat insulation cover
E5.2	Capacity control adaptor	F4.1	Side plate (left)	F29	Heat insulation cover
E6	Plastic case	F4.2	Bearing horizontal vane	F30	Suspension bolt
E7	Capacitor fan motor	F4.3	Heat insulation material	K1	Drain hose
E8	Terminal block	F4.4	Heat insulation material	K2	Hose band
E9	Terminal block	F4.5	Heat insulation material	K3	Insulation tube (liquid line)
E10	Wire harness (transmission)	F5	Hook metal	K4	Insulation tube (gas line)
E10.1	Fuse holder	F6	Hook metal	K5	Sealer
E10.2	Fuse	F7	Side plate heat exchanger	K6	Sealer
E11	Wire harness (remote control)	F8	Retainer refrigerant piping	K7	Operation manual

2.9 FH60BZV1, FHYP60BV1 and FHYP71BV1

Exploded view

The illustration below shows the exploded view.

FH60BVE, FH60BVE5, FH60BJV1, FH60BZV1



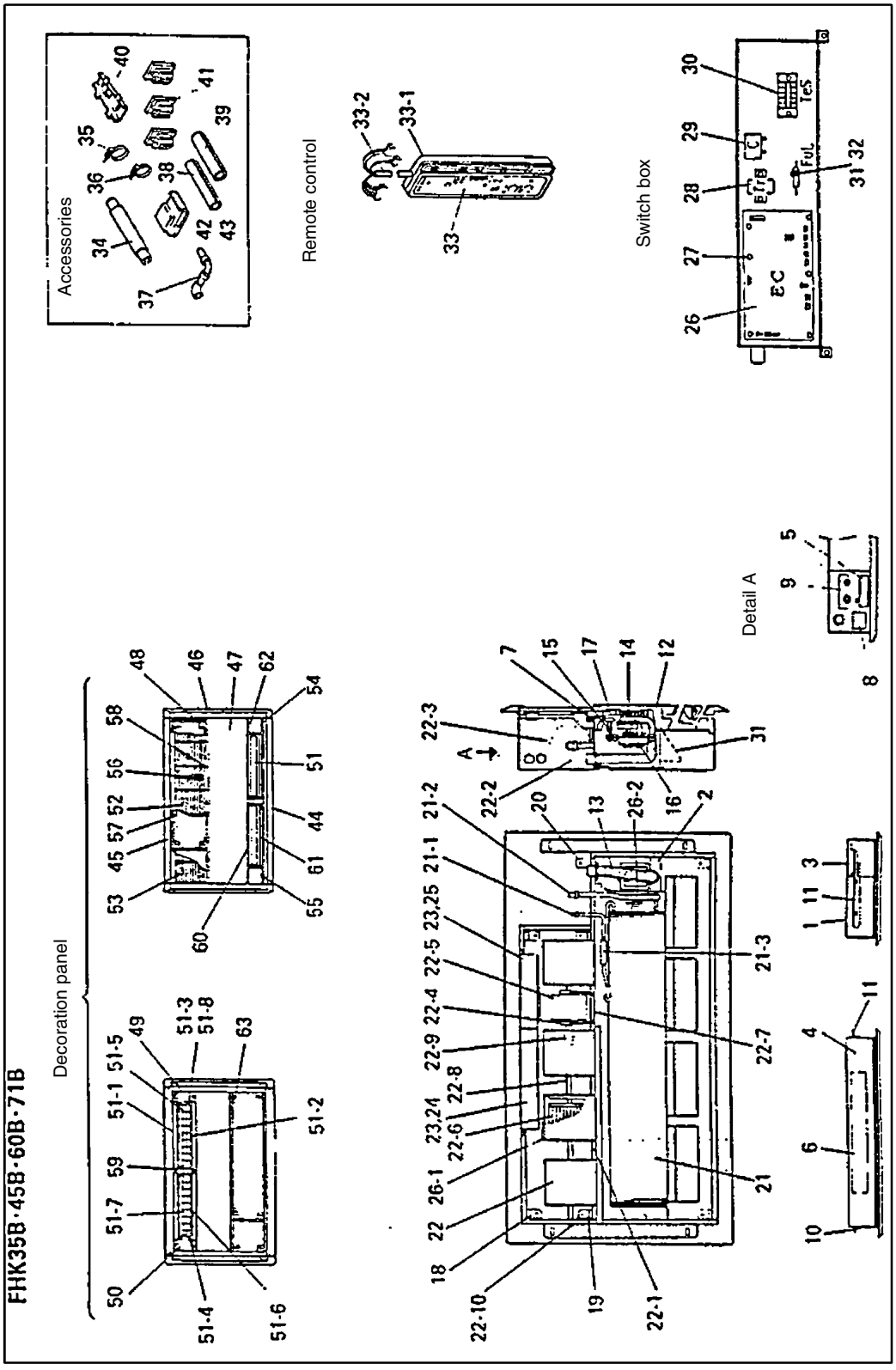
Components The table below contains the components of the exploded view.

No.	Component	No.	Component	No.	Component
B1	Evaporator assy	E13	Wire harness (fan motor)	F10.1	Insulation tube
B1.1	Distributor	E14	Wire harness (swing motor)	F10.2	Vertical vane air discharge
B1.2	Union joint (gas line)	E15	Wire harness (power unit)	F10.2.1	Set plate vertical vane
B1.3	Union joint (liquid line)	E16	Wire harness (power unit)	F10.2.2	Vertical vane air discharge
B1.4	Flare nut	E17	Thermistor	F10.2.3	Connect. bar vertical vane
B1.5	Flare nut	E18	Wire clip	F10.2.4	Connect. bar vertical vane
B1.6	Retainer thermistor	E19	Wire clip	F10.3	Cap drain socket
C1	Fan assy	E20	Lock metal	F11	Supporter
C1.1	Top plate fan assy	E21	Clamp	F12	Horizontal vane assy
C1.2	Fan housing	E22	Bush thermistor	F12.1	Horizontal vane
C1.3	Fan housing	E23	Sound absorbing material	F12.2	Rod horizontal vane
C1.4	Fan rotor	E24	Housing power unit	F12.3	Rod horizontal vane
C1.4.1	Hexagon socket screw	F1	Top plate assy	F12.4	Rod horizontal vane
C1.5	Fan rotor	F2	Bottom plate assy	F13	Decorative plate
C1.5.1	Hexagon socket screw	F2.1	Name plate assy	F14	Air suction grille assy
C1.6	Fan motor	F2.1.1	Housing signal receiver	F14.1	Air suction grille
C1.7	Lock metal fan motor	F2.1.2	DAIKIN name plate	F14.2	Fixture air suction grille
C1.8	Motor base	F3	Side plate assy (right)	F14.3	Hinge air suction grille
C1.9	Fan shaft	F3.1	Side plate (right)	F15	Side plate assy
C1.10	Coupling fan shaft	F3.2	Swing motor assy	F15.1	Cover side plate
C1.11	Fan bearing	F3.3	Set plate swing motor	F16	Side plate (left)
C1.12	Bearing holder	F3.4	Connecting arm horizontal vane	F17	Blind plate piping hole
C1.13	Set plate bearing holder	F3.5	Crank air swing	F18	Blind plate piping hole
C1.14	Wire clip	F3.6	Bearing horizontal vane	F19	Wire clip
C2	Air filter	F3.7	Heat insulation material	F20	Set plate drain pan
E1	Electric components assy	F3.8	Heat insulation material	F21	Supporter fan
E2	Switch box	F3.9	Heat insulation material	F22	Retainer
E3	Cover switch box	F3.10	Sealer	F23	Air guide plate
E4	Printed circuit (power unit)	F3.11	Sealer	F24	Heat insulation cover top plate
E5	Printed circuit	F3.12	Lock metal	F25	Insulation cover piping hole
E5.1	Printed circuit (control unit)	F3.13	Wire clip	F27	Protector heat exchanger
E5.1.1	Air thermistor	F4	Side plate assy	F28	Heat insulation cover
E5.1.2	Connector	F4.1	Side plate (left)	F29	Heat insulation cover
E5.2	Capacity control adaptor	F4.2	Bearing horizontal vane	F30	Suspension bolt
E6	Plastic case	F4.3	Heat insulation material	K1	Drain hose
E7	Capacitor fan motor	F4.4	Heat insulation material	K2	Hose band
E8	Terminal block	F4.5	Heat insulation material	K3	Insulation tube (liquid line)
E9	Terminal block	F5	Hook metal	K4	Insulation tube (gas line)
E10	Wire harness (transmission)	F6	Hook metal	K5	Sealer
E10.1	Fuse holder	F7	Side plate heat exchanger	K6	Sealer
E10.2	Fuse	F8	Retainer refrigerant piping	K7	Operation manual
E11	Wire harness (remote control)	F9	Set plate drain pan	—	
E12	Wire harness (feed back)	F10	Drain pan assy		

2.10 FHK35BZV1, FHK45BZV1, FHK60BZV1, FHYKP35BV1, FHYKP45BV1, FHYKP60BV1 and FHYKP71BV1

Exploded view

The illustration below shows the exploded view.



Components

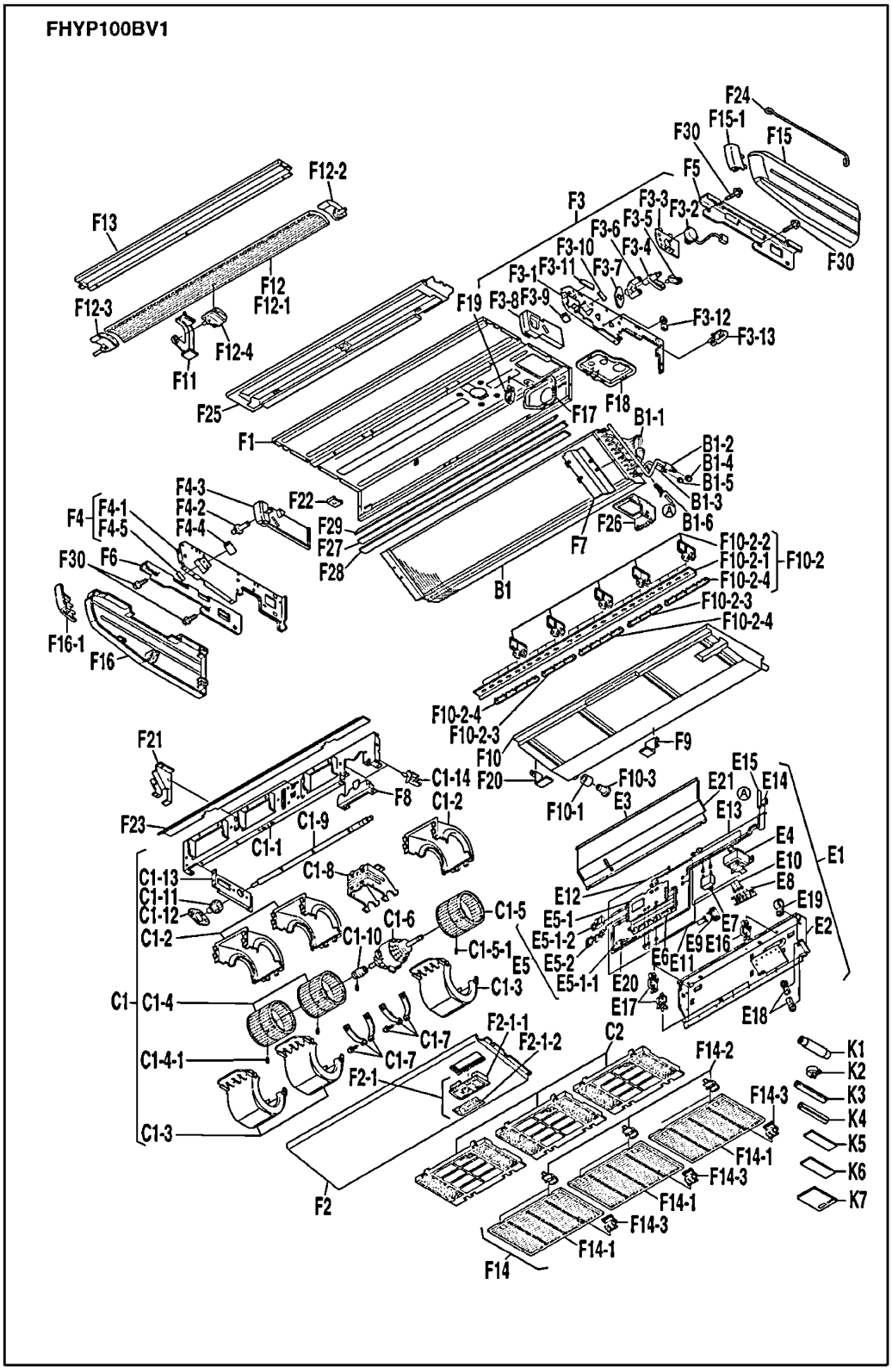
The table below contains the components of the exploded view.

No.	Component	No.	Component
1	Top plate	22.6	Fan motor
2	Partition plate drain pump	22.7	Motor base
3	Side plate fan chamber	22.8	Fan shaft
4	Front plate assy	22.9	Coupling
5	Wiring cover	22.10	Fan bearing
6	Blind plate ducting hole	23	Swtich box without devices
7	Drain pan holder	24	Cover switch box
8	Blind cover	25	Cover switch box
9	Cover piping hole	26	Printed circuit (control unit)
10	Suspend metal	26.1	Air thermistor
11	Suspend metal	26.2	Thermistor
12	Drain pan assy	27	Locking guard spacer
13	Drain hose	28	Transformer
14	Drain pump	29	Running capacitor
15	Buffer rubber drain pump	30	Terminal block
16	Set plate drain pump	31	Fuse holder
17	Float switch	32	Fuse control circuit
18	Fitting metal decoration panel	33	Remote control
19	Fitting metal decoration panel	33.1	Bottom case remote control
20	Fitting metal decoration panel	33.2	Lead wire remote control
21	Evaporator	34	Drain hose
21.1	Union joint (liquid line)	35	Hose band
21.2	Union joint (gas line)	36	Hose band
21.3	Filter	37	Drain pipe
22	Fan assy with motor	38	Insulation tube
22.1	Top plate fan assy	39	Insulation tube
22.2	Fan housing	40	Hook remote control
22.3	Fan housing	41	Staple
22.4	Clamp metal fan motor	42	Blind air discharge
22.5	Fan motor	43	Blind air discharge

2.11 FHYP100BV1 and FHYP125BV1

Exploded view

The illustration below shows the exploded view.



Components The table below contains the components of the exploded view.

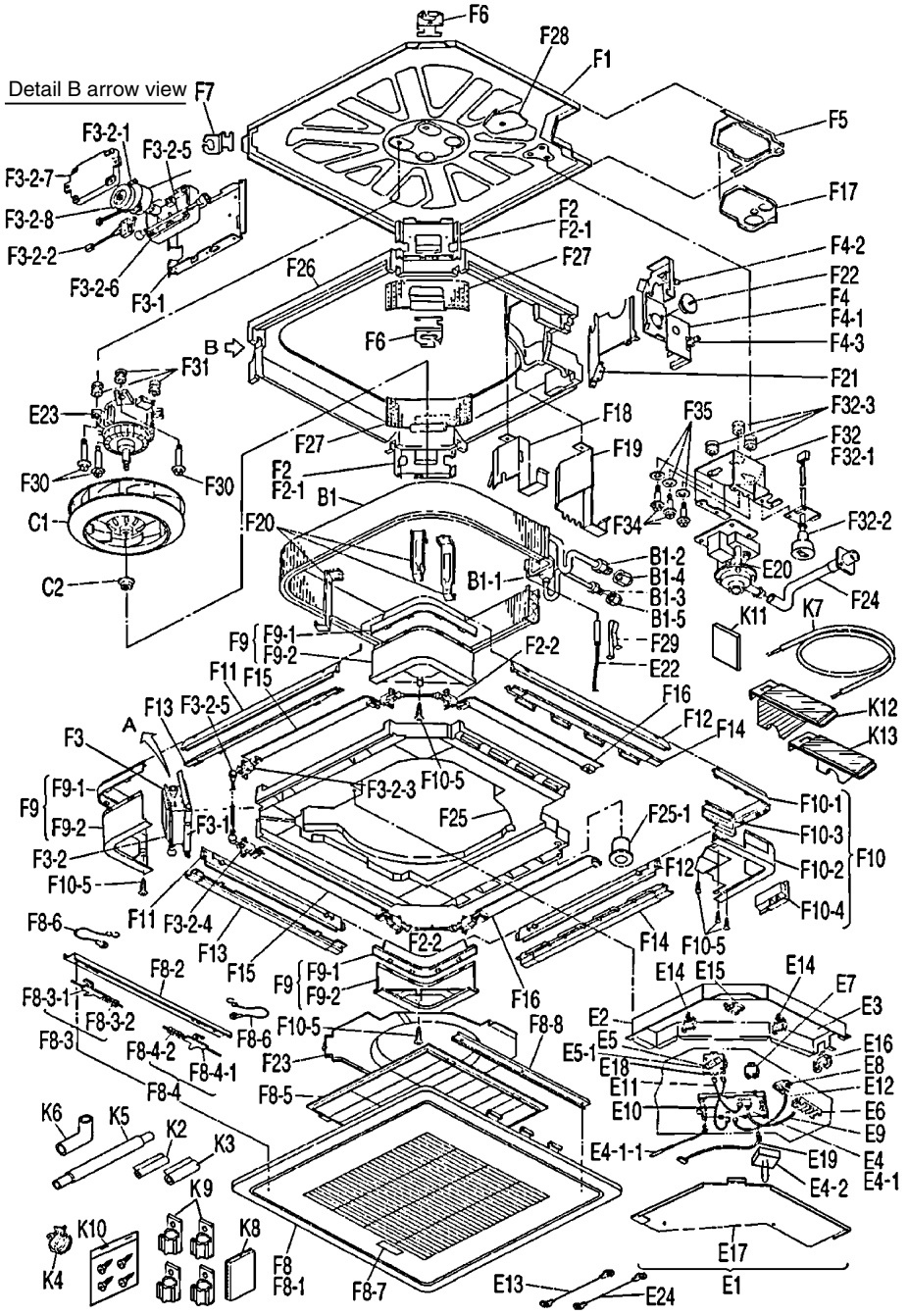
No.	Component	No.	Component	No.	Component
B1	Evaporator assy	E13	Wire harness (fan motor)	F10.1	Insulation tube
B1.1	Distributor	E14	Wire harness (swing motor)	F10.2	Vertical vane air discharge
B1.2	Union joint (gas line)	E15	Thermistor	F10.2.1	Set plate vertical vane
B1.3	Union joint (liquid line)	E16	Wire clip	F10.2.2	Vertical van air discharge
B1.4	Flare nut	E17	Wire clip	F10.2.3	Connect. bar vertical vane
B1.5	Flare nut	E18	Lock metal	F10.3	Cap drain socket
B1.6	Retainer thermistor	E19	Clamp	F11	Supporter horizontal vane
C1	Fan assy	E20	Bush thermistor	F12	Horizontal vane assy
C1.1	Top plate fan assy	E21	Sound absorbing material	F12.1	Horizontal vane
C1.2	Fan housing	E21	Sound absorbing material	F12.2	Rod horizontal vane
C1.3	Fan housing	F1	Top plate assy	F12.3	Rod horizontal vane
C1.4	Fan rotor	F2	Bottom plate assy	F12.4	Rod horizontal vane
C1.4.1	Hexagon socket screw	F2.1	Name plate assy	F13	Decorative plate
C1.5	Fan rotor	F2.1.1	Housing signal receiver	F14	Air suction grille assy
C1.5.1	Hexagon socket screw	F2.1.2	DAIKIN name plate	F14.1	Air suction grille
C1.6	Fan motor	F3	Side plate assy (right)	F14.2	Fixture air suction grille
C1.7	Lock metal fan motor	F3.1	Side plate (right)	F14.3	Hinge air suction grille
C1.8	Motor base	F3.2	Swing motor assy	F15	Side plate assy
C1.9	Fan shaft assy	F3.3	Set plate swing motor	F16	Side plate assy
C1.10	Coupling fan shaft	F3.4	Connecting arm horizontal vane	F16.1	Cover side plate
C1.11	Fan bearing	F3.5	Crank air swing	F17	Blind plate piping hole
C1.12	Bearing holder	F3.6	Bearing horizontal vane	F18	Blind plate piping hole
C1.13	Set plate bearing holder	F3.7	Heat insulation material	F19	Wire clip
C1.14	Wire clip	F3.8	Heat insulation material	F20	Set plate drain pan
C2	Air filter	F3.9	Heat insulation material	F21	Supporter fan
E1	Electronic components assy	F3.10	Heat insulation material	F22	Retainer
E2	Switch box	F3.11	Sealer	F23	Air guide plate
E3	Cover switch box	F3.12	Lock metal	F24	Heat insulation cover piping hole
E4	Power transformer	F3.13	Wire clip	F25	Insulation cover piping hole
E5	Printed circuit	F4	Side plate assy	F27	Protector heat exchanger
E5.1	Printed circuit (control unit)	F4.1	Side plate (left)	F28	Heat insulation cover
E5.1.1	Air thermistor	F4.2	Bearing horizontal vane	F29	Heat insulation cover
E5.1.2	Connector	F4.3	Heat insulation material	F30	Suspension bolt
E5.2	Capacity control adaptor	F4.4	Heat insulation material	K1	Drain hose
E6	Platic case	F4.5	Heat insulation material	K2	Hose band
E7	Capacitor fan motor	F5	Hook metal	K3	Insulation tube (liquid line)
E8	Terminal block	F6	Hook metal	K4	Insulation tube (gas line)
E9	Terminal block	F7	Side plate heat exchanger	K5	Sealer
E10	Wire harness (transmission)	F8	Retainer	K6	Sealer
E11	Wire harness (remote control)	F9	Set plate drain pan	K7	Operation manual
E12	Wire harness (feed back)	F10	Drain pan assy	—	

2.12 FUYP71BV17

Exploded view

The illustration below shows the exploded view.

FUYP71BV1



Components The table below contains the components of the exploded view.

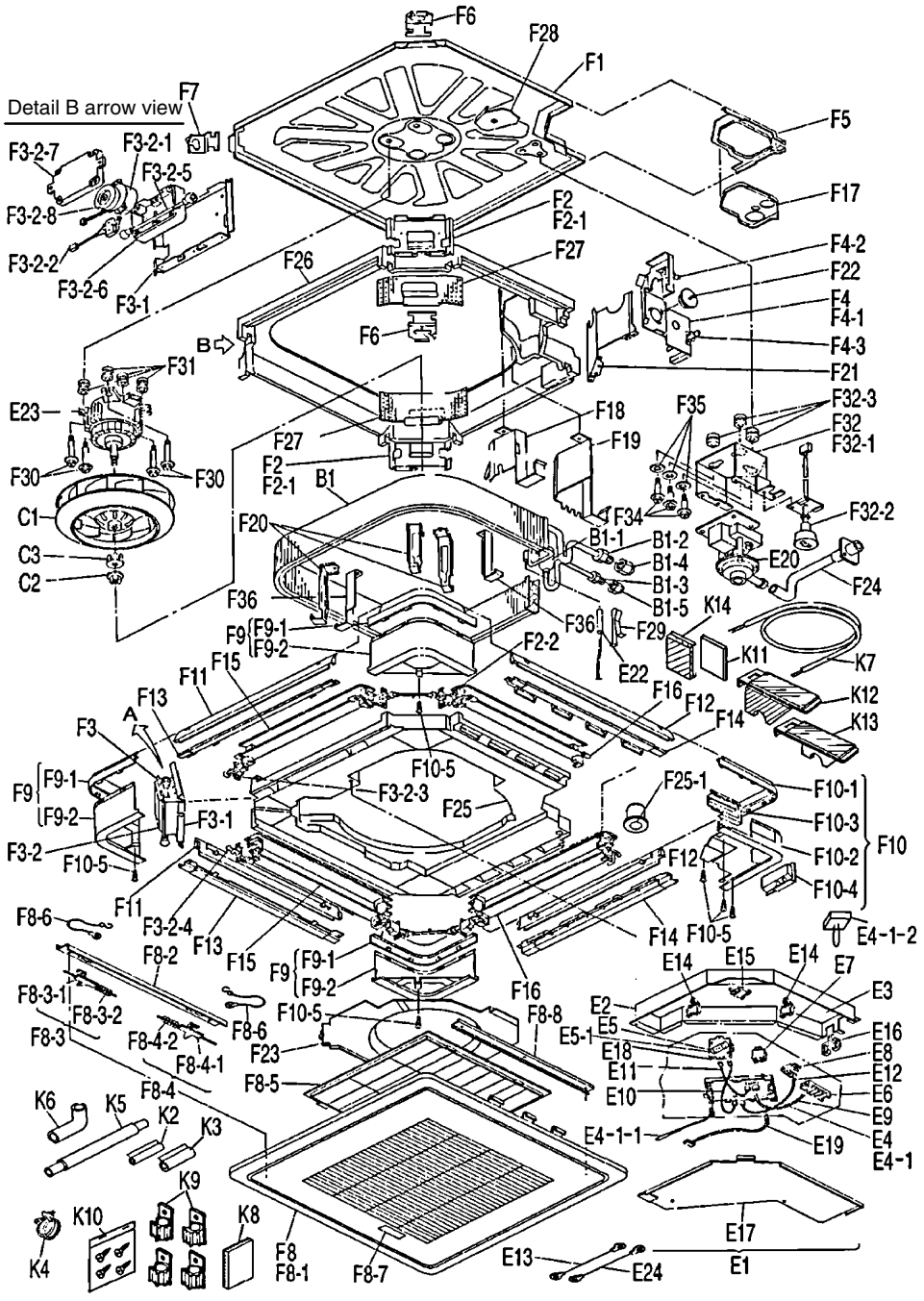
No.	Component	No.	Component	No.	Component
B1	Heat exchanger assy	F3	Side plate assy swing unit	F12	Decorative frame air discharge
B1.1	Distributor	F3.1	Side plate	F13	Decorative frame air discharge
B1.2	Union joint (gas line)	F3.2	Air swing unit	F14	Decorative frame air discharge
B1.3	Union joint (liquid line)	F3.2.1	Air swing motor	F15	Horizontal vane air discharge
B1.4	Flare nut	F3.2.2	Limit switch	F16	Horizontal vane air discharge
B1.5	Flare nut	F3.2.3	Bearing assy (right)	F17	Blind plate pipng hole
C1	Rotor assy	F3.2.4	Bearing assy (left)	F18	Partition plate evaporator
C2	Lock nut fan rotor	F3.2.5	Joint	F19	Blind plate heat exchanger
E1	Electric components assy	F3.2.6	Air swing motor base	F20	Fitting plate evaporator
E2	Switch box	F3.2.7	Cover air swing motor	F21	Retainer refrigerant piping
E3	Set plate control devices	F3.2.8	Cam air swing	F22	Cover inspection hole
E4	PCB assy	F4	Side plate assy	F23	Bell mouth
E4.1	Printed circuit (control)	F4.1	Side plate	F24	Drain hose assy
E4.1.1	Air thermistor	F4.2	Bearing assy (right)	F25	Drain pan assy
E4.2	Capacity setting adaptor	F4.3	Bearing assy (left)	F25.1	Drain plug
E5	Printed circuit (power unit)	F5	Hook metal refrigerant piping	F26	Heat insulator (internal)
E5.1	Fuse	F6	Hook metal	F27	Air adjust plate
E6	Terminal block	F7	Hook metal	F28	Retainer lead wire
E7	Capacitor	F8	Air suction grille assy	F29	Retainer thermistor
E8	Terminal block	F8.1	Air suction grille	F30	Set bolt fan motor
E9	Wire harness (transmission)	F8.2	Reinforcement plate	F31	Vibration isolator fan motor
E10	Wire harness (power unit)	F8.3	Air dilection lever assy	F32	Set plate drain pump
E11	Wire harness (power unit)	F8.3.1	Lever air suction grille	F32.1	Set base drain pump
E12	Wire harness (PCB terminal)	F8.3.2	Spring air suction grille	F32.2	Float switch
E13	Grounding wire	F8.4	Air direction lever assy	F32.3	Buffer rubber drain pump
E14	Wire clip	F8.5	Air filter	F34	Set bolt fan motor
E15	Wire clip	F8.6	Reinforcement metal grille	F35	Plain washer
E16	Edge saddle	F8.7	DAIKIN name plate	K2	Insulation cover (liquid line)
E17	Cover switch box	F8.8	Reinforcement plate	K3	Insulation tube (gas line)
E18	Housing power unit	F9	Corner cover assy	K4	Hose band
E19	Wire harness (fan motor)	F9.1	Corner cover	K5	Drain hose
E20	Drain pump	F9.2	Corner cover	K6	Drain pipe joint
E22	Heat exchanger thermistor	F10	Corner cover refrigerant piping	K7	Lead wire remote control
E23	Fan motor	F10.1	Corner cover upper	K8	Sealer drain hose
E24	Grounding wire	F10.2	Corner cover lower	K9	Staple
F1	Top plate	F10.3	Internal corner cover	K10	Pan head wood screw
F2	Side plate assy	F10.4	Internal corner cover	K11	Shelter air discharge grille
F2.1	Side plate	F10.5	Tapping screw	K12	Lock plate insulator
F2.2	Joint assy	F11	Decorative frame air discharge	K13	Lock plate insulator

2.13 FUYP100BV17 and FUYP125BV17

Exploded view

The illustration below shows the exploded view.

FUYP100BV1, FUYP125BV1



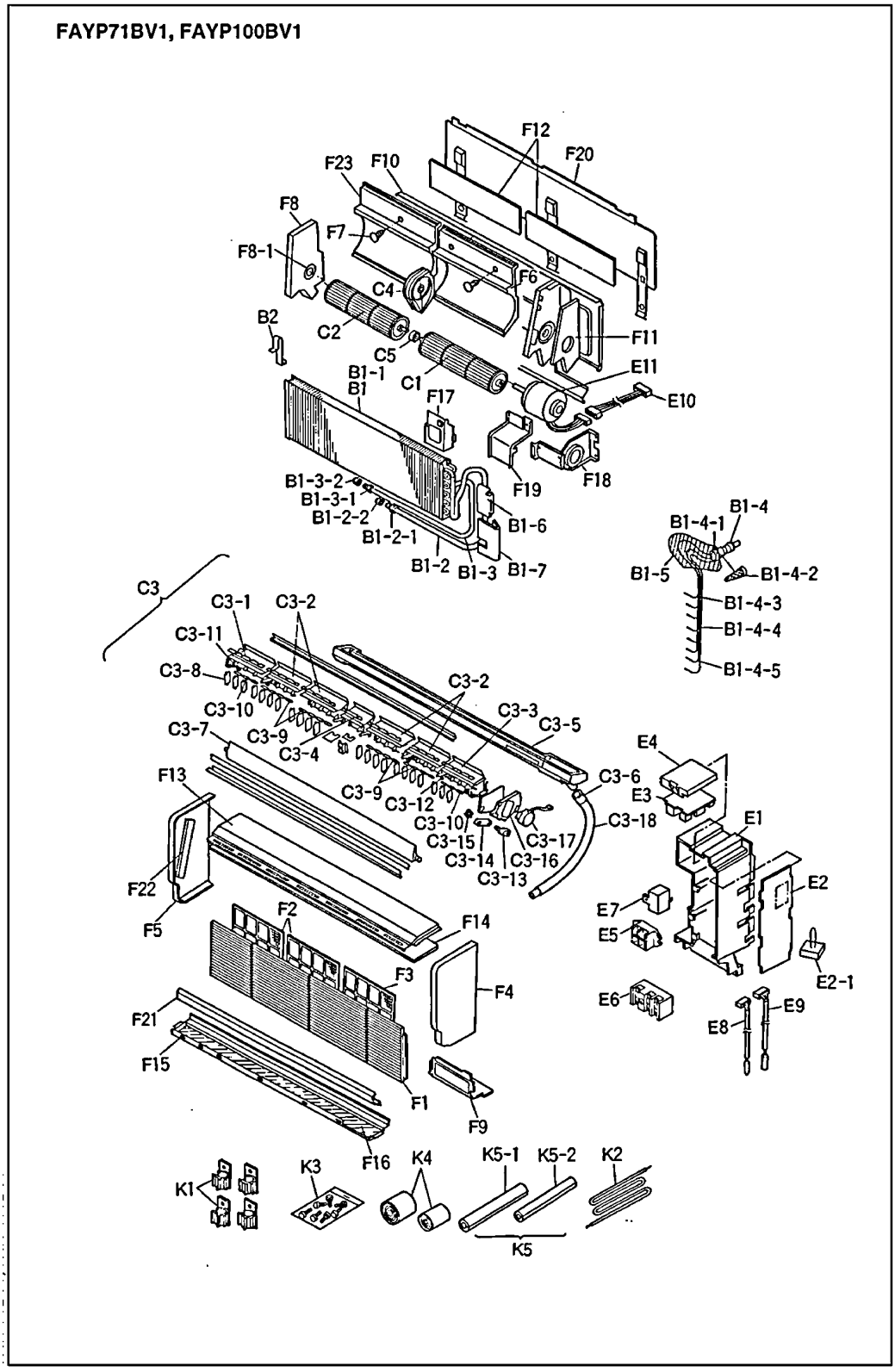
Components The table below contains the components of the exploded view.

No.	Component	No.	Component	No.	Component
B1	Heat exchanger assy	F3	Side plate assy swing unit	F13	Decorative frame air discharge
B1.1	Distributor	F3.1	Side plate	F14	Decorative frame air discharge
B1.2	Union joint (gas line)	F3.2	Air swing unit	F15	Horizontal vane air discharge
B1.3	Union joint (liquid line)	F3.2.1	Air swing motor	F16	Horizontal vane air discharge
B1.4	Flare nut	F3.2.2	Limit switch	F17	Blind plate pipng hole
B1.5	Flare nut	F3.2.3	Bearing assy (right)	F18	Partition plate evaporator
C1	Rotor assy	F3.2.4	Bearing assy (left)	F19	Blind plate heat exchanger
C2	Lock nut fan rotor	F3.2.5	Joint	F20	Fitting plate evaporator
C3	Lock washer	F3.2.6	Air swing motor base	F21	Retainer refrigerant piping
E1	Electric components assy	F3.2.7	Cover air swing motor	F22	Cover inspection hole
E2	Switch box	F3.2.8	Cam air swing	F23	Bell mouth
E3	Set plate control devices	F4	Side plate assy	F24	Drain hose assy
E4	PCB assy	F4.1	Side plate	F25	Drain pan assy
E4.1	Printed circuit (control)	F4.2	Bearing assy (right)	F25.1	Drain plug
E4.1.1	Air thermistor	F4.3	Bearing assy (left)	F26	Heat insulator (internal)
E4.2	Capacity setting adaptor	F5	Hook metal refr. piping	F27	Air adjust plate
E5	Printed circuit (power unit)	F6	Hook metal	F28	Retainer lead wire
E5.1	Fuse	F7	Hook metal	F29	Retainer thermistor
E6	Terminal block	F8	Air suction grille assy	F30	Set bolt fan motor
E7	Capacitor	F8.1	Air suction grille	F31	Vibration isolator fan motor
E8	Terminal block	F8.2	Reinforcement plate	F32	Set plate drain pump
E9	Wire harness (transmission)	F8.3	Air dilection lever assy	F32.1	Set base drain pump
E10	Wire harness (power unit)	F8.3.1	Lever air suction grille	F32.2	Float switch
E11	Wire harness (power unit)	F8.3.2	Spring air suction grille	F32.3	Buffer rubber drain pump
E12	Wire harness (PCB terminal)	F8.4	Air direction lever assy	F34	Set bolt fan motor
E13	Grounding wire	F8.5	Air filter	F35	Plain washer
E14	Wire clip	F8.6	Reinforcement metal grille	F36	Air guide plate assy
E15	Wire clip	F8.7	DAIKIN name plate	K2	Insulation cover (liquid line)
E16	Edge saddle	F8.8	Reinforcement plate	K3	Insulation tube (gas line)
E17	Cover switch box	F9	Corner cover assy	K4	Hose band
E18	Housing power unit	F9.1	Corner cover	K5	Drain hose
E19	Wire harness (fan motor)	F9.2	Corner cover	K6	Drain pipe joint
E20	Drain pump	F10	Corner cover refrigerant piping	K7	Lead wire remote control
E22	Heat exchanger thermistor	F10.1	Corner cover upper	K8	Sealer drain hose
E23	Fan motor	F10.2	Corner cover lower	K9	Staple
E24	Grounding wire	F10.3	Internal corner cover	K10	Pan head wood screw
F1	Top plate	F10.4	Internal corner cover	K11	Shelter air discharge grille
F2	Side plate assy	F10.5	Tapping screw	K12	Lock plate insulator
F2.1	Side plate	F11	Decorative frame air discharge	K13	Lock plate insulator
F2.2	Joint assy	F12	Decorative frame air discharge	K14	Lock plate insulator

2.14 FAYP71BV1 and FAYP100BV1

Exploded view

The illustration below shows the exploded view.



Components

The table below contains the components of the exploded view.

No.	Component	No.	Component
B1	Evaporator assy	E2	Printed circuit
B1.1	Evaporator assy	E2.1	Capacity setting adaptor
B1.2	Auxiliary pipe (gas line)	E3	Printed circuit (power unit)
B1.2.1	Union joint (gas line)	E4	Housing power unit
B1.2.2	Flare nut	E5	Terminal block
B1.3	Auxiliary pipe (liquid line)	E6	Terminal block
B1.3.1	Union joint	E7	Running capacitor
B1.3.2	Flare nut	E8	Thermistor
B1.4	Capillary tube assy	E9	Heat exchanger thermistor
B1.4.1	Distributor	E10	Wire harness
B1.4.2	Strainer	E11	Fan motor
B1.4.3	Capillary tube	F1	Front grille assy
B1.4.4	Capillary tube	F2	Air filter
B1.4.5	Capillary tube	F3	Air filter
B1.5	Sound absorbing putty	F4	Side plate assy (right)
B1.6	Sound absorbing putty	F5	Side plate assy (left)
B1.7	Sound absorbing putty	F6	Fan scroll assy (right)
B2	Fitting spring thermistor	F7	Fastener
C1	Fan rotor	F8	Partition plate (left)
C2	Fan rotor	F8.1	Fan bearing assy
C3	Air discharge grille assy	F9	Indicator cover
C3.1	Air discharge grille	F10	Bottom frame assy
C3.2	Air discharge grille	F11	Heat insulation cover (right)
C3.3	Air discharge grille	F12	Drip proof cover bottom frame
C3.4	Air discharge unit	F13	Top plate
C3.5	Drain pan assy	F14	Insulation cover bottom plate
C3.6	Drain socket	F15	Bottom plate
C3.7	Horizontal vane assy	F16	Insulation cover bottom plate
C3.8	Vertical vane air discharge	F17	Clamp refrigerant piping
C3.9	Connecting arm	F18	Motor base
C3.10	Connecting arm	F19	Cover fan motor
C3.11	Bearing	F20	Mounting plate
C3.12	Rod	F21	Plate air discharge grille
C3.13	Crank air swing	F22	Heat insulation cover (left)
C3.14	Crank rod air swing	F23	Fan scroll assy (left)
C3.15	Crank. air swing	K1	Staple
C3.16	Swing motor base	K2	Lead wire remote control
C3.17	Air swing motor	K3	Screw kit
C3.18	Drain hose	K4	Insulation tape
C4	Bearing holder	K5	Insulation cover joint
C5	Fan bearing	K5.1	Insulation tube gas line
E1	Switch box	K5.2	Heat insulation material

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Daikin Europe N.V. is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard. ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.

ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment.

Daikin units comply with the European regulations that guarantee the safety of the product.

Specifications are subject to change without prior notice

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ESIE02-01 • 09/2002
Prepared in Belgium by Vanmelle